

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of
the Securities Exchange Act of 1934

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
 Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
 Definitive Proxy Statement
 Definitive Additional Materials
 Soliciting Material under §240.14a-12

MOSYS, INC.

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

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3301 Olcott Street
Santa Clara, CA 95054

Dear Stockholder:

You are cordially invited to attend the 2011 Annual Meeting of Stockholders (the "Annual Meeting") of MoSys, Inc. (the "Company") to be held on June 7, 2011, at 9:30 a.m., at our corporate headquarters located at 3301 Olcott Street, Santa Clara, California 95054.

The matters expected to be acted upon at the meeting are described in detail in the following Notice of the 2011 Annual Meeting of Stockholders and Proxy Statement.

It is important that your shares be represented and voted at the Annual Meeting. Whether you plan to attend the Annual Meeting or not, it is important that you promptly register your vote in accordance with the instructions set forth on the enclosed proxy card to ensure your proper representation. Returning the proxy does not deprive you of your right to attend the Annual Meeting. If you decide to attend the Annual Meeting and wish to change your proxy vote, you may do so automatically by voting in person at the meeting.

We look forward to seeing you at the Annual Meeting.

Sincerely,

/s/ LEONARD PERHAM

Leonard Perham
Chief Executive Officer and President

First mailed to stockholders
on or about April 26, 2011

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| <p>YOUR VOTE IS IMPORTANT. PLEASE REMEMBER TO PROMPTLY RETURN YOUR PROXY.</p> |
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MOSYS, INC.
NOTICE OF 2011 ANNUAL MEETING OF STOCKHOLDERS

To the Stockholders of MoSys, Inc.:

NOTICE IS HEREBY GIVEN that the 2011 Annual Meeting of Stockholders (the "Annual Meeting") of MoSys, Inc., a Delaware corporation (the "Company"), will be held on June 7, 2011, at 9:30 a.m., at the Company's corporate headquarters located at 3301 Olcott Street, Santa Clara, California 95054, for the following purposes:

1. To elect five members of our board of directors to hold office until the next annual meeting of stockholders or until their respective successors have been elected and qualified. The nominees are Leonard Perham, Carl E. Berg, Tommy Eng, Chi-Ping Hsu and James D. Kupec;
2. To ratify the Audit Committee's appointment of Burr Pilger Mayer, Inc. as our independent registered public accounting firm for the fiscal year ending December 31, 2011;
3. To hold an advisory vote to approve executive compensation;
4. To hold an advisory vote on the frequency of the advisory vote on executive compensation;
and
5. To transact such other business as may properly come before the Annual Meeting or any adjournment of the Annual Meeting.

The foregoing items of business are more fully described in the Proxy Statement accompanying this Notice. Only stockholders of record at the close of business on April 8, 2011, are entitled to notice of and to vote at the Annual Meeting, or at any adjournment thereof. A list of such stockholders will be available for inspection at our principal office.

You are cordially invited to attend the Annual Meeting. However, to ensure that you are represented at the Annual Meeting, please vote your shares by submitting instructions for proxy voting via the Internet, by phone, or by signing, dating and returning the proxy card in accordance with the instructions set forth on the enclosed proxy card at your earliest convenience. If you wish to submit your proxy by mail, a return addressed envelope is enclosed for your convenience. If you attend the Annual Meeting, you may vote in person even though you have submitted your proxy previously. Your proxy is revocable in accordance with the procedures set forth in the Proxy Statement.

BY ORDER OF THE BOARD OF DIRECTORS

/s/ LEONARD PERHAM

Leonard Perham
Chief Executive Officer and President

Santa Clara, California
April 20, 2011

MOSYS, INC.
3301 Olcott Street
Santa Clara, California 95054

PROXY STATEMENT

GENERAL INFORMATION

This Proxy Statement is furnished in connection with the solicitation by the board of directors of MoSys, Inc., a Delaware corporation (the “Company”), of proxies, in the accompanying form, to be used at the 2011 Annual Meeting of Stockholders (the “Annual Meeting”) to be held at our corporate headquarters located at 3301 Olcott Street, Santa Clara, California 95054 on June 7, 2011, at 9:30 a.m., and any adjournments of the Annual Meeting. Unless the context otherwise requires, the “Company,” “MoSys,” “we,” “us” and similar terms refer to MoSys, Inc.

If you need directions to the location of the Annual Meeting in order to attend and vote in person, please contact us at (408) 418-7500.

This Proxy Statement and the accompanying proxy card are being mailed on or about April 26, 2011 to all stockholders entitled to notice of and to vote at the Annual Meeting.

SOLICITATION AND VOTING PROCEDURES

Shares represented by valid proxies in the accompanying form received in time for use at the Annual Meeting and not revoked at or prior to the Annual Meeting will be voted at the Annual Meeting, as discussed below. The presence, in person or by proxy, of the holders of a majority of the outstanding shares of our common stock is necessary to constitute a quorum at the Annual Meeting. Holders of our common stock are entitled to one vote per share on all matters. To vote in person, a stockholder must attend the Annual Meeting, and then complete and submit the ballot provided at the meeting. To vote by proxy, a stockholder must mark, sign and date the enclosed proxy card and mail it to our transfer agent or submit voting instructions electronically by using the telephone or Internet following the instructions provided on the proxy card. An automated system administered by our transfer agent tabulates stockholder votes submitted by proxy, and an officer of ours will tabulate votes cast in person at the Annual Meeting.

Stockholders of record who are present at the meeting in person or by proxy and who abstain from voting on a proposal, including brokers holding customers’ shares of record, will be included in the number of stockholders present at the meeting for purposes of determining whether a quorum is present.

The voting requirements for the proposals that we will consider at the Annual Meeting are:

- *Proposal 1—Election of Directors.* Directors are elected by a plurality, and the five directors who receive the most votes will be elected to our board of directors. Shares represented by properly completed and timely submitted proxies will be voted “FOR” the election of the nominees listed in the Notice of the Annual Meeting, unless authority to do so is specifically withheld. If any nominee declines to serve or becomes unavailable for any reason, or if a vacancy occurs before the election (although we know of no reason to anticipate that this will occur), the proxies may be voted for such substitute nominees as the board of directors may designate.
- *Proposal 2—Ratification of Appointment of Burr Pilger Mayer, Inc. as Independent Registered Public Accounting Firm.* An affirmative vote of the holders of a majority of the shares present or represented by proxy and entitled to vote at the Annual Meeting is necessary for approval of this proposal.

- *Proposal 3—Advisory Vote to Approve Executive Compensation.* An affirmative vote of the holders of a majority of the shares present or represented by proxy and entitled to vote at the Annual Meeting will constitute approval of this proposal.
- *Proposal 4—Advisory Vote to Approve Frequency of Vote on Executive Compensation.* This proposal will allow stockholders to indicate their preference for whether the vote in Proposal No. 3 should be held every three years, every two years, or every year, or to abstain from the vote. The option that receives the highest number of votes cast by the holders of a majority of the shares present or represented by proxy and entitled to vote will be considered the preferred frequency. While this is a non-binding, advisory vote, our board of directors and the compensation committee of the board of directors will take into account the outcome of this vote when considering how often it will recommend submitting the advisory vote on executive compensation to stockholders.

Abstentions and Broker Non-Votes. Brokers holding shares in street name for customers have discretionary authority to vote on some matters when they have not received instructions from the beneficial owners of shares. Under the Delaware General Corporation Law, an abstaining vote and a broker “non-vote” are counted as present and are, therefore, included for purposes of determining whether a quorum of shares is present at the Annual Meeting. A broker “non-vote” occurs when a broker or other nominee holding shares for a beneficial owner signs and returns a proxy with respect to shares of common stock held in a fiduciary capacity (typically referred to as being held in “street name”) but does not vote on a particular matter due to a lack of discretionary voting power and instructions from the beneficial owner. Under listing rules governing voting with respect to shares held in street name, brokers have the discretion to vote such shares on routine matters but not on non-routine matters. At the Annual Meeting, the uncontested election of nominees for the board of directors, the advisory vote on executive compensation and the advisory vote on the frequency of the advisory vote to approve executive compensation are non-routine matters under these rules. Brokers that do not receive instructions from the beneficial owners of the shares are entitled to vote only on Proposal No. 2 (the ratification of appointment of Burr Pilger Mayer, Inc. as our independent registered public accounting firm for the 2011 audit).

Broker non-votes are considered present but not entitled to vote. They will not affect the outcome of the vote on any of the proposals at the Annual Meeting because broker non-votes are excluded from the tabulation of votes cast on each proposal. Abstentions are counted as present and entitled to vote for purposes of establishing a quorum. An abstention will have no effect on the election of directors under Proposal No. 1 and the determination of the frequency of the advisory vote to approve executive compensation under Proposal No. 4. However, an abstention will have the same effect as a vote “against” the ratification of the appointment by the Audit Committee of Burr Pilger Mayer, Inc. as our independent registered public accounting firm for the 2011 audit under Proposal No. 2 and the approval of executive compensation under Proposal No. 3 because a vote in favor of each of these proposals from a majority of the shares present in person or by proxy and entitled to vote is needed for their approval.

Special Note Regarding Shares Held in Broker Accounts. If you hold your shares through a broker, bank or other nominee, it is critical that you submit a proxy if you want your shares to be counted in the election of directors. In the past, if you held your shares through a broker, bank or other nominee and you did not submit a proxy or otherwise indicate how you wanted your shares voted in the election of directors, your bank, broker or other nominee was allowed to vote those shares on your behalf in the election of directors as they felt appropriate. Under applicable rules approved by the SEC, your bank, broker or other nominee cannot vote your uninstructed shares in the election of directors on a discretionary basis. Thus, if you hold your shares through a bank, broker or other nominee and you do not submit a proxy or otherwise instruct your bank, broker or other nominee how to vote in the election of directors, the advisory vote on executive compensation and the advisory vote of the frequency of the advisory vote on executive compensation, no votes will be cast on your behalf on Proposal Nos. 1, 3 and

4. If your proxy has been signed, your bank, broker or other nominee will, as in prior years, have discretion to vote uninstructed shares on the ratification of our independent registered public accounting firm (Proposal No. 2) and your shares may still be counted for purposes of determining if a quorum is present.

All proxies will be voted as specified on the proxy cards submitted by stockholders, if the proxy is properly executed or electronically submitted and is received by us prior to the close of voting at the Annual Meeting or any adjournment or postponement of the Annual Meeting. Our chief executive officer, Leonard Perham, has been designated as the proxy for the Annual Meeting. If no choice has been specified, a timely returned and properly executed or electronically submitted proxy card will be voted in accordance with management's recommendations on Proposals Nos. 1, 2, 3 and 4, which are described in detail elsewhere in this Proxy Statement. In addition, all properly completed and timely returned or electronically submitted proxy cards will be voted by the proxy in his discretion for any other matters properly and timely submitted for a vote at the Annual Meeting.

Only holders of our common stock at the close of business on April 8, 2011, the record date, will be entitled to notice of and to vote at the Annual Meeting. As of that date, we had 37,681,760 shares of common stock outstanding and entitled to vote. Each share of our common stock is entitled to one vote per share.

The cost of soliciting proxies, including expenses incurred in connection with preparing and mailing this Proxy Statement and the proxy card and maintaining the Internet access for such materials and the submission of proxies will be borne by us. Copies of solicitation material will be furnished to brokerage houses, fiduciaries and custodians holding shares in their names that are beneficially owned by others so that they may forward this solicitation material to such beneficial owners of our common stock. We will reimburse brokerage firms and other persons representing beneficial owners of common stock for their expenses in forwarding proxy material to such beneficial owners. Solicitation of proxies by mail may be supplemented by telephone, electronic facsimile transmission and other electronic means, and personal solicitation by our directors, officers or employees. No additional compensation will be paid to directors, officers or employees for such solicitation. We have retained Wells Fargo Shareowner Services to assist in the distribution of proxies for a fee estimated to be approximately \$5,000 plus reasonable out-of-pocket expenses.

Copies of our 2010 Annual Report on Form 10-K filed with the SEC on March 15, 2011 are being mailed to stockholders with this Proxy Statement and these documents can also be viewed on the investors section of our website, www.mosys.com. Additional copies of our 2010 Annual Report on Form 10-K, excluding exhibits, may be obtained by any stockholder, without charge, by sending an e-mail to priv_ir@mosys.com or by written request addressed to: MoSys, Inc., 3301 Olcott Street, Santa Clara, California 95054, Attention: Investor Relations.

REVOCABILITY OF PROXIES

You can revoke your proxy at any time before the voting at the Annual Meeting by sending a properly signed written notice of your revocation to our Secretary, by submitting another proxy that is properly signed and bearing a later date, by following the specified procedures for submitting a proxy electronically and changing your vote or by voting in person at the Annual Meeting. Attendance at the Annual Meeting will not itself revoke an earlier submitted proxy. You should direct any written notices of revocation and related correspondence to MoSys, Inc., 3301 Olcott Street, Santa Clara, California 95054, Attention: Secretary.

IMPORTANT NOTICE REGARDING THE AVAILABILITY OF PROXY MATERIALS FOR THE STOCKHOLDER MEETING TO BE HELD ON JUNE 7, 2011

This Proxy Statement, the proxy card and our 2010 Annual Report on Form 10-K are available at www.mosysinc.com/proxy/proxymaterials.html.

BOARD OF DIRECTORS

Directors

Our bylaws provide that the number of directors is determined by resolution of the board of directors and can be changed by approval of the stockholders or a majority of the directors. Our board of directors currently consists of five directors. Each director is elected to serve until the next annual meeting of stockholders and until the election and qualification of his or her successor or his or her earlier resignation or removal.

The names of our directors, all of whom are nominees to be elected at the Annual Meeting, and certain information about each of them are set forth below. Our bylaws provide that, upon the resignation of a director, a majority of the directors then in office have the power to fill the resulting vacancy on our board of directors.

| <u>Name</u> | <u>Age</u> | <u>Position(s) with the Company</u> |
|------------------------------|------------|---|
| Leonard Perham | 67 | Chief Executive Officer, President and Director |
| Carl E. Berg(1)(2) | 73 | Director |
| Tommy Eng(1)(3) | 53 | Director |
| Chi-Ping Hsu(2)(3) | 56 | Director |
| James D. Kupec(1)(2)(3) . . | 56 | Director |

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- (1) Member of Audit Committee
 - (2) Member of Compensation Committee
 - (3) Member of Technology Strategy Committee

The principal occupations and positions for at least the past five years of our directors are described below. There are no family relationships among any of our directors or executive officers.

Len Perham. Mr. Perham was appointed to be our chief executive officer and president and a member of our board of directors in November 2007. Mr. Perham was one of the original investors in MoSys and initially served on our board of directors from 1991 to 1997. Since retiring from Integrated Device Technology, Inc. in 2000, where he served as chief executive officer from 1991 to 2000 and as president and a board member from 1986, Mr. Perham has served as chairman of the board of directors of NetLogic Microsystems, Inc., a fabless semiconductor company, and has been a private investor holding officer and director positions with various private companies. Mr. Perham holds a B.S. in electrical engineering from Northeastern University. We believe that Mr. Perham's qualifications to serve as a director include his tenure as our Chief Executive Officer and as a member of the board of directors, during which time he has gained a unique and extensive understanding of our company, our business and our long term strategy, and his experience in the semiconductor industry generally.

Carl E. Berg. Mr. Berg has served as a member of our board of directors since September 1992. Since 1997, Mr. Berg has been the chairman of the board and chief executive officer of Mission West Properties, Inc., a real estate investment trust. Mr. Berg has been actively engaged in the ownership, development and management of industrial real estate and in venture capital investment for over 30 years. He currently serves as a member of the boards of directors of Mission West Properties, Inc., Hancock Fabrics, Inc. and Valence Technology, Inc. Mr. Berg served on the board of directors of Focus Enhancements, Inc., a developer of video scan conversion products, from January 2004 until September 2008. Mr. Berg holds a B.A. in business from the University of New Mexico. As a successful real estate and venture capital investor and long-time director of ours, Mr. Berg brings strategic insight and financial

experience to the Board. Mr. Berg has evaluated, invested in and served as a board member of numerous companies, both public and private, and is familiar with a full range of corporate and board functions. His many years of experience in helping companies shape and implement strategy provide the board with valuable perspectives on matters such as risk management, corporate governance, talent selection, financial statement analysis and management.

Tommy Eng. Mr. Eng was appointed to our board of directors in August 2004. Mr. Eng is a partner of EXA Ventures, a venture capital investment firm specializing in IT, semiconductor, communication, multimedia technology/services/content, software, and the incubation of early stage technology companies. Mr. Eng has been an investor holding officer and director positions with various private companies. Prior to founding EXA Ventures, Mr. Eng was an entrepreneur and executive in the semiconductor industry. Mr. Eng held various executive and engineering positions at Tera Systems from 1996 to 2004, Mentor Graphics, Silicon Compiler Systems, and Bell Labs. Mr. Eng served on the board of directors of Focus Enhancements, Inc., a developer of video scan conversion products, from January 2004 until September 2008. Mr. Eng holds a B.S. in electrical engineering from Polytechnic University in New York and a M.S. in electrical engineering from the University of California at Berkeley. We believe that Mr. Eng's qualifications to serve on the board of directors include his extensive business experience, including senior management positions at several different companies in the semiconductor industry. He brings strategic and technical insight to the board of directors.

Chi-Ping Hsu. Dr. Hsu was appointed to our board of directors in August 2004. Since April 2003, Dr. Hsu has held executive positions at Cadence Design Systems, an electronic design automation software and engineering services company, most recently as senior vice president of the Silicon Realization Group. From November 2001 to April 2003, Dr. Hsu was president and chief operating officer of Get2Chip, a supplier of high-performance system-on-chip synthesis, which was acquired by Cadence. A graduate of the Taiwan National University with a B.S. in electrical engineering, Dr. Hsu also holds a Ph.D. in electrical engineering and computer science from the University of California at Berkeley. We believe that Dr. Hsu's qualifications to serve on the board of directors include his extensive business experience having held senior management positions at several different companies in the semiconductor and electronic design automation software industries. He brings strategic and operational insight to the board of directors.

James D. Kupec. Mr. Kupec was appointed to our board of directors in August 2004. Mr. Kupec is currently senior vice president of worldwide sales and marketing at GLOBALFOUNDRIES, Inc., a semiconductor foundry. Previously, from September 2004 until March 2009, Mr. Kupec served as chief operating officer of eSilicon Corporation, a custom semiconductor chip supplier. From April 2003 to September 2004, Mr. Kupec was president of JDK Group, a semiconductor consultancy firm that he founded. Previously, Mr. Kupec served as a consultant to and chief executive officer of Ammocore, a privately-held electronic design automation company and president of UMC-USA, a semiconductor foundry. Mr. Kupec holds a B.S. in electrical engineering from the University of Illinois and a M.B.A. from Southern Methodist University. We believe that Mr. Kupec's qualifications to serve on the board of directors include his extensive business experience having held senior management positions at several different companies in the semiconductor industry. He brings strategic and operational insight to the board of directors.

CORPORATE GOVERNANCE

Director Independence

Our board of directors has determined that Carl E. Berg, Tommy Eng, Chi-Ping Hsu and James D. Kupec are “independent,” as defined by the listing rules of the NASDAQ Stock Market, or NASDAQ, and the rules and regulations of the Securities and Exchange Commission, or SEC. Our board of directors has standing Audit and Compensation Committees, each of which is comprised solely of independent directors in accordance with the NASDAQ listing rules. No director qualifies as independent unless the board of directors determines that he has no direct or indirect material relationship with us. We independently review the relationship of the Company to any entity employing a director or on whose board of directors he is serving currently. The board of directors also has considered the share ownership of the directors or their family members and determined in the case of Mr. Berg that his ownership of approximately 5% of our outstanding stock and the ownership of approximately 6% of our outstanding stock by his daughter’s trust do not interfere with his exercise of independent judgment in carrying out the responsibilities of a director.

Audit Committee

Our board of directors established the Audit Committee for the purpose of overseeing the accounting and financial reporting processes and audits of our financial statements. The Audit Committee also is charged with reviewing reports regarding violations of our Code of Ethics and complaints with respect thereto, and internal control violations under our whistleblower policy are directed to the Chairman of the Audit Committee. The responsibilities of our Audit Committee are described in the Audit Committee Charter adopted by our board of directors, a current copy of which can be found on the investors section of our website, www.mosys.com.

Messrs. Berg, Eng and Kupec are the current members of the Audit Committee. All are “independent,” as defined by Rule 5605(a)(2) of the NASDAQ listing rules. Mr. Berg serves as chairman and has been designated by the board of directors as the “audit committee financial expert,” as defined by Item 407(d)(5)(i) of Regulation S-K under the Securities Act of 1933 and the Securities Exchange Act of 1934, as amended (the “Exchange Act”). That status does not impose on him duties, liabilities or obligations that are greater than the duties, liabilities or obligations otherwise imposed on him as a member of the Audit Committee and the board of directors, however. The Audit Committee has delegated authority to Mr. Berg for review and approval of non-audit services proposed to be provided by our independent auditors.

Compensation Committee

Messrs. Berg, Hsu and Kupec are the current members of the Compensation Committee, with Mr. Kupec serving as the chairman.

Our Compensation Committee does not have a charter; rather, its duties and obligations have been specified by the board of directors. The Compensation Committee is responsible for reviewing, recommending and approving our compensation policies and benefits, including the compensation of all of our executive officers and directors. Our Compensation Committee also has the principal responsibility for the administration of our equity incentive and stock purchase plans.

Technology Strategy Committee

Our board of directors established the Technology Strategy Committee in August 2004 to oversee the development, planning and implementation of our long-term intellectual property strategy. Messrs. Eng, Hsu and Kupec are the current members of the Technology Strategy Committee. Mr. Eng is chairman of

this committee. This committee does not meet regularly but confers with management informally from time to time.

Nominations Process

We do not have a nominating committee. Instead of having such a committee, our board of directors historically has appointed all of the independent directors on our board to search for and evaluate qualified individuals to become nominees for director and board committee members. The independent directors recommend candidates for nomination for election or reelection for each annual meeting of stockholders and, as necessary, to fill vacancies and newly created directorships, and evaluate candidates for appointment to and removal from committees. The independent directors operate in this capacity under authority granted by resolution of the board of directors, rather than by charter.

All of our director nominees have expressed their willingness to continue to serve as our directors. When new candidates for our board of directors are sought, the independent directors evaluate each candidate for nomination as director within the context of the needs and the composition of the board of directors as a whole. The independent directors conduct any appropriate and necessary inquiries into the backgrounds and qualifications of candidates. When evaluating director nominees, our board of directors generally seeks to identify individuals with diverse, yet complementary backgrounds. Although we have no formal policy regarding diversity, our directors consider both the personal characteristics and experience of director nominees, including each nominee's independence, diversity, age, skills, expertise, time availability and industry background in the context of the needs of the board of directors and the Company. The board of directors believes that director nominees should exhibit proven leadership capabilities and experience at a high level of responsibility within their chosen fields, and must have the experience and ability to analyze the complex business issues facing MoSys, and specifically, the issues inherent in the semiconductor industry. In addition to business expertise, the board of directors requires that director nominees have the highest personal and professional ethics, integrity and values and, above all, are committed to representing the long-term interests of our stockholders and other stakeholders. To date, all new candidates have been identified by members of our board of directors, and we have not paid any fee to a third party to assist in the process of identifying or evaluating director candidates.

Our independent directors will consider candidates for nomination as director who are recommended by a stockholder and will not evaluate any candidate for nomination for director differently because the candidate was recommended by a stockholder. To date, we have not received or rejected any suggestions for a director candidate recommended by any stockholder or group of stockholders owning more than 5% of our common stock. When submitting candidates for nomination to be elected at our annual meeting of stockholders, stockholders must also follow the notice procedures and provide the information required by our bylaws. To consider a candidate recommended by a stockholder for nomination at the 2012 Annual Meeting of Stockholders, the recommendation must be delivered or mailed to and received by our Secretary within the time periods discussed elsewhere in this proxy statement under the heading "Stockholder Proposals for 2012 Annual Meeting." The recommendation must include the information specified in our bylaws for stockholder nominees to be considered at an annual meeting, including the following:

- The stockholder's name and address and the beneficial owner, if any, on whose behalf the nomination is proposed;
- The stockholder's reason for making the nomination at the annual meeting, and the signed consent of the nominee to serve if elected;
- The number of shares owned by, and any material interest of, the record owner and the beneficial owner, if any, on whose behalf the record owner is proposing the nominee;

- A description of any arrangements or understandings between the stockholder, the nominee and any other person regarding the nomination; and
- Information regarding the nominee that would be required to be included in our proxy statement by the rules of the SEC, including the nominee's age, business experience for the past five years and any other directorships held by the nominee.

The information listed above is not a complete list of the information required by our Amended and Restated Bylaws. The secretary will forward any timely recommendations containing the required information to our independent directors for consideration.

Board Leadership Structure

Our bylaws provide the board of directors with flexibility to combine or separate the positions of chairman of the board of directors and chief executive officer in accordance with its determination that utilizing one or the other structure is in the best interests of our company. Currently, the board of directors has not appointed a chairman or lead independent director. From time to time, each of the independent directors works with Mr. Perham to perform a variety of functions related to our corporate governance, including coordinating board of directors activities, setting the agenda for meetings (in consultation with Mr. Perham, as necessary or appropriate) and ensuring adequate communication between the board of directors and management. Our Audit Committee, which oversees critical matters such as our relationship with our auditors, financial reporting practices and system of disclosure controls and internal controls over financial reporting, and our Compensation Committee, which oversees our executive compensation program, each consists entirely of independent directors.

Risk Oversight

The board of directors is actively involved in the oversight of risks, including strategic, credit, liquidity, operational and other risks, which could affect our business. The board of directors does not have a standing risk management committee, but administers this oversight function directly through the board of directors as a whole and through its committees, which oversee risks relevant to their respective functions. For example, the Audit Committee assists the board of directors in its risk oversight function by reviewing and discussing with management our compliance with accounting principles, financial reporting practices, system of disclosure controls and internal controls over financial reporting and the treasury function, including management of our cash and investments. The Compensation Committee assists the board of directors in its risk oversight function by considering risks relating to the design of our executive compensation programs and arrangements and employee benefit plans. The Technology Strategy Committee advises management on risks associated with the development, planning and implementation of our long-term intellectual property strategy and new product initiatives. The full board of directors considers strategic risks and opportunities and receives reports from the committees regarding risk oversight in their areas of responsibility as necessary. The board of directors and each committee administers its respective risk oversight function by evaluating management's monitoring, assessment and management of risks, including steps taken to limit our exposure to known risks, through regular interaction with our senior management and in board and committee deliberations that are closed to members of management. The interaction with management occurs not only at formal board and committee meetings but also through periodic and other written and oral communications.

Stockholder Communications with the Board

Stockholders who desire to communicate with the board of directors, or a specific director, may do so by sending the communication addressed to either the board of directors or any director, c/o MoSys, Inc., 3301 Olcott Street, Santa Clara, California 95054. These communications will be delivered to the board of directors, or any individual director, as specified.

Annual Meeting Attendance

We have a policy of encouraging each director to attend the Annual Meeting, but attendance is not required. Mr. Perham, our president and chief executive officer, attended the 2010 Annual Meeting of Stockholders.

Meetings of the Board and Committees

During 2010, there were seven meetings of the board of directors, four meetings of the Audit Committee and five meetings of the Compensation Committee. Other than Mr. Kupec, each current director attended at least 85% of the total number of meetings of the board of directors held in 2010. Mr. Kupec attended approximately 57% of the meetings of the board of directors and at least 50% of the meetings of the committees upon which he served during 2010. Other than Mr. Kupec, the Audit Committee members attended all of the Audit Committee meetings held in 2010. Other than Mr. Kupec, the Compensation Committee members attended 60% and 80%, respectively, of the meetings held in 2010. While the director attendance of the Compensation Committee meetings was lower than we prefer, we have noted certain mitigating circumstances. During 2010, the Compensation Committee's principal actions consisted of supervising the adoption of the 2010 Equity Incentive Plan and the 2010 Employee Stock Purchase Plan and approval of new option grants to our named executive officers in connection with our 2010 employee performance review process. All of the Compensation Committee members were present at the meeting when the option grants to our named executive officers were discussed and approved. The board of directors and the Compensation Committee also acted at times by unanimous written consent, as authorized by our bylaws and the Delaware General Corporation Law.

Compensation Committee Interlocks and Insider Participation

During 2010, none of our executive officers served as a member of the board of directors or compensation committee of any entity that had one or more of its executive officers serving as a member of our board of directors or Compensation Committee. Messrs. Berg, Hsu and Kupec, the Compensation Committee members, were not officers or employees of ours during 2010 or at any other time.

Section 16(a) Beneficial Ownership Reporting Compliance

Section 16(a) of the Exchange Act requires our directors, executive officers and persons who own more than 10% of a registered class of our equity securities to file with the SEC initial reports of ownership and reports of changes in ownership of common stock and other equity securities of ours. Directors, executive officers and greater than 10% holders are required by SEC regulation to furnish us with copies of all Section 16(a) reports they file. Based solely on our review of Forms 3 and 4 received during 2010 and Forms 5 (or and any written representations to us by such persons) received with respect to fiscal year 2010, we believe that all directors, executive officers and 10% stockholders complied with all applicable Section 16(a) filing requirements during 2010.

Code of Ethics

We have adopted a code of ethics that applies to all of our employees. The code of ethics is designed to deter wrongdoing and to promote, among other things, honest and ethical conduct, full, fair, accurate, timely, and understandable disclosures in reports and documents submitted to the SEC and other public communications, compliance with applicable governmental laws, rules and regulations, the prompt internal reporting of violations of the code to an appropriate person or persons identified in the code and accountability for adherence to such code.

The code of ethics is available on our website, www.mosys.com. If we make any substantive amendments to the code of ethics or grant any waiver, including any implicit waiver, from a provision of the code to our Chief Executive Officer or Chief Financial Officer, or persons performing similar

functions, where such amendment or waiver is required to be disclosed under applicable SEC rules, we intend to disclose the nature of such amendment or waiver on our website.

DIRECTOR COMPENSATION

The following table summarizes the compensation we paid to our non-employee directors in 2010:

| <u>Name</u> | <u>Fees Earned or Paid in Cash (\$)</u> | <u>Option Awards (\$)(1)(2)</u> | <u>All Other Compensation (\$)</u> | <u>Total (\$)</u> |
|--------------------------|---|-------------------------------------|--|-------------------|
| Carl E. Berg | — | 41,930 | — | 41,930 |
| Tommy Eng | — | 41,930 | — | 41,930 |
| Chi-Ping Hsu | — | 41,930 | — | 41,930 |
| James D. Kupec | — | 41,930 | — | 41,930 |

- (1) Option award amounts reflect the aggregate grant date fair value with respect to stock options granted to the non-employee directors, as determined pursuant to FASB ASC Topic 718. The assumptions used to calculate the aggregate grant date fair value of option awards are set forth in the notes to the audited consolidated financial statements included in our 2010 Annual Report on Form 10-K. These amounts do not reflect actual compensation earned or to be earned by our non-employee directors.
- (2) As of December 31, 2010, our non-employee directors held outstanding options to purchase the following number of shares of our common stock: Carl E. Berg, 150,000; Tommy Eng, 280,000; Chi-Ping Hsu, 200,000; and James D. Kupec, 200,000.

In 2010, members of our board of directors did not receive any cash compensation for their service as directors. Pursuant to the 2010 Equity Incentive Plan (the “2010 Plan”), on July 22, 2010, we granted options to purchase 20,000 shares to each of Messrs. Berg, Eng, Hsu and Kupec at an exercise price of \$4.30 per share. These options vest in full on the first anniversary of the date of grant. The Plan permits the board of directors to establish by resolution the number of shares, up to a maximum of 40,000 each year, for each non-employee director, to be covered by annual option grants or other awards to our non-employee directors for each year of service on our board. The awards will be granted at the first regular meeting of the board of directors following the date of each annual meeting of stockholders and vest in full on the first anniversary of the grant date, subject to continuous service during the period. Historically, the annual option grant award to a director was 20,000 shares of common stock, and in 2010 the board of directors determined that, although the 2010 Plan permits annual award grants of up to 40,000 shares, the annual award for service on the board of directors should continue to be an option to purchase 20,000 shares. The 2010 Plan also provides that each non-employee director shall be granted an award to purchase up to 120,000 shares upon his or her initial appointment or election to our board of directors, vesting over a four-year period at the rate of one fourth of the total number of shares each year, subject to the non-employee director’s continuous service on the board, with the exercise price of the award equal to 100% of the fair market value of a share of common stock on the date that he becomes a director. In the event of a merger, sale of substantially all of our assets or similar transaction, vesting of all director options would accelerate as to 100% of the unvested shares subject to the award. All awards to directors have a term of not longer than 6 years. The 2010 Plan also permits a disinterested majority of the board of directors, in its discretion, to authorize additional shares to be awarded or granted under stock options to committee chairs and other non-employee directors for extraordinary service on the board. The exercise price per share under each such discretionary option grant is equal to the fair market value of a share of our common stock on the date of grant on the principal trading market for our common stock at the time of grant, which is the NASDAQ Global Market, or the Nasdaq GM.

EXECUTIVE COMPENSATION—COMPENSATION DISCUSSION AND ANALYSIS

Overview of Compensation Program

The Compensation Committee of the board of directors has responsibility for establishing, implementing and monitoring adherence to our compensation philosophy. The board of directors has delegated to the Compensation Committee the responsibility for determining our compensation policies and procedures for senior management, including the named executive officers, periodically reviewing these policies and procedures, and making recommendations concerning executive compensation to be considered by the full board of directors, when such approval is required under any of our plans or policies or by applicable laws. The Compensation Committee also has the principal responsibility for the administration of our stock plans, including the approval of stock option grants to the named executive officers.

The compensation received by our named executive officers in fiscal year 2010 is set forth in the Summary Compensation Table, below. For 2010, the named executive officers were Leonard Perham, President and Chief Executive Officer, James Sullivan, Vice President of Finance and Chief Financial Officer, David DeMaria, Vice President of Business Operations, and Sundari Mitra, Executive Vice President of Engineering. All of our named executive officers for 2010 are current executive officers as of the date of this Proxy Statement.

Compensation Philosophy

In general, our executive compensation policies are designed to recruit, retain and motivate qualified executives by providing them with a competitive total compensation package based in large part on the executive's contribution to our financial and operational success, the executive's personal performance and increases in stockholder value as measured by the price of our common stock. We believe that the total compensation paid to our executives should be fair, reasonable and competitive.

We seek to have a balanced approach to executive compensation with each primary element of compensation (base salary, variable compensation and equity incentives) designed to play a specific role. Overall, we design our compensation programs to allow for the recruitment, retention and motivation of the key executives and high-level talent required in order for us to:

- supply high-value and high-quality intellectual property content and integrated circuit solutions to our customer base;
- achieve or exceed our annual financial plan and be profitable;
- make continuous progression towards achieving our long-term strategic objectives to be a high-growth company with growing profitability; and
- increase our share price to provide greater value to our stockholders.

Role of Executive Officers in Compensation Decisions

The chief executive officer ("CEO") makes recommendations based on guidelines for equity and non-equity compensation for executives that have been approved by the Compensation Committee. The Compensation Committee reviews these guidelines annually. The CEO annually reviews the performance of our executives (other than himself) and presents his recommendations for proposed salary adjustments, bonus awards and option grants to the Compensation Committee once a year. In its discretion, the Compensation Committee may accept, modify or reject the CEO's recommendations. Only the Compensation Committee and the board of directors are authorized to approve the compensation for any named executive officer. Compensation of new executives is based on hiring negotiations between the individuals and our CEO and/or Compensation Committee.

Elements of Compensation

Consistent with our compensation philosophy and objectives, we offer executive compensation packages consisting of the following three components:

- base salary;
- annual incentive compensation; and
- stock option grants.

In each fiscal year, the Compensation Committee determines the amount and relative weighting of each component for all executives, including the named executive officers. Base salaries are paid in fixed amounts and thus do not encourage risk taking. For 2010, we had no incentive bonus programs.

We paid Mr. DeMaria, our Vice President of Business Operations, a commission of 0.4% on all revenue-generating licensing transactions in 2010, which the Compensation Committee believes is a key element of Mr. DeMaria's total compensation package. This type of commission arrangement is typical in our industry. In addition, to our confidence in Mr. DeMaria's management of the sales function, there are in place a number of significant financial and other controls that are intended to prevent commission-based sales compensation arrangements from creating risks that are reasonably likely to have a material adverse effect on us.

Our widespread use of long-term compensation consisting of stock options focuses recipients on the achievement of our longer-term goals. For example, the stock options granted to our executives in 2010 vest in increments over four years and will not fully vest until 2014, and the stock options granted to our non-executive employees vest in increments over four years from the date of grant. The Compensation Committee believes that these awards do not encourage unnecessary or excessive risk taking because the ultimate value of the awards is tied to our stock price, and the use of multi-year vesting schedules help to align our employees' interests even more closely with those of our long-term investors.

Base Salary

Because our compensation philosophy stresses performance-based awards, base salary is intended to be a smaller portion of total executive compensation relative to long-term equity. Therefore, we target executive base salary at the median level of the compensation guidelines that have been approved by the Compensation Committee. In addition, the Compensation Committee takes into account the executive's scope of responsibility and significance to the execution of our long-term strategy, past accomplishments, experience and personal performance and compares each executive's base salary with those of the other members of senior management. The Compensation Committee may give different weighting to each of these factors for each executive, as it deems appropriate. The Compensation Committee did not retain a compensation consultant or determine a compensation peer group for 2010.

Annual Incentive Compensation

The Compensation Committee did not adopt an executive bonus plan for 2010 because the Compensation Committee believed that such a plan should be based on pre-tax profit and there was none. To date, the Compensation Committee has not adopted an executive bonus plan for 2011 for the same reason. As soon as we achieve profitability on a pre-tax basis, the Compensation Committee intends to implement a bonus plan for our executives. During 2010, Mr. DeMaria had responsibility for our sales efforts and was compensated for these efforts under a sales compensation plan. Under his sales compensation plans for 2010 and 2009, we paid Mr. DeMaria \$43,382 in commissions during 2010.

Stock Options

Although we do not have a mandated policy regarding the ownership of shares of common stock by officers and directors, we believe that granting stock options to executives and other key employees on an ongoing basis gives them a strong incentive to maximize stockholder value and aligns their interests with those of our other stockholders on a long-term basis. Our 2010 Plan enables us to grant stock options, as well as other types of stock-based compensation, to our executive officers and other employees. Under authority delegated to it by the board of directors, the Compensation Committee reviews and approves all stock option grants to named executive officers under the 2010 Plan. Typically, the options granted upon the executive's hire vest with respect to one-fourth of the total number of shares subject to the grant on the first anniversary of the grant date and with respect to 1/48th of the shares monthly thereafter. The options granted to executives in connection with an annual performance review typically vest over a four-year period at the rate of 1/48th of the shares monthly. Our general policy is to grant the options with an exercise price equal to fair market value, which currently is the closing price of the common stock on the Nasdaq GM on the grant date.

We intend to grant equity awards to achieve retention and motivation:

- upon the hiring of key executives and other personnel;
- annually, when we review progress against corporate and personal goals; and
- when we believe that competitive forces or economic conditions threaten to cause our key executives to lose their motivation and/or where retention of these key executives is in jeopardy.

With the Compensation Committee's approval, we grant options to purchase shares of common stock when we initially hire executives and other employees, as a long-term performance incentive. The Compensation Committee has determined the size of the initial option grants to newly hired executives with reference to existing guidelines and hiring negotiations with the individual, in addition to other relevant information regarding the size and type of compensation package considered necessary to enable us to recruit, retain and motivate the executive.

No employee is eligible for an annual performance grant until the employee has worked for us for at least 12 months. Annual performance reviews are generally conducted in the second quarter of each fiscal year. Our CEO conducts the performance review of the other executives and advises the Compensation Committee of any recommended new option grants. In addition to reviewing the CEO's recommendations for other executives, the Compensation Committee also reviews the CEO's annual performance and determines whether he should be granted an option to purchase additional shares. Aside from option grants in connection with annual performance reviews, we do not have a policy of granting additional options to executives and, consequently, the board of directors and the Compensation Committee have not adopted a policy with respect to granting options in coordination with the release of material non-public information.

In determining the size of stock option grants in connection with the annual performance reviews of our executives, the Compensation Committee takes into account the executive's current position with and responsibilities to us. In connection with their annual performance reviews, in June 2010, the Compensation Committee approved the following option grants to the named executive officers reporting to Mr. Perham: Mr. Sullivan—101,500 shares; Mr. DeMaria—105,500 shares; and Ms. Mitra—65,500 shares.

Only the board of directors or the Compensation Committee may approve options or other equity-based compensation to our executives. However, the board of directors has authorized the CEO to approve option grants to employees at the senior director level and below for the purchase of not more than 100,000 shares by any employee during any calendar year. All such grants must be consistent with

stock option guidelines approved by the Compensation Committee. The exercise price for such grants must be equal to the closing price of a share of the common stock on the Nasdaq GM on the date of grant.

Going forward, we intend to continue to evaluate and consider equity grants to our executives on an annual basis. We expect to consider potential equity grants for executives at the same time as we annually review our employees' performance and determine whether to award grants for all employees.

Accounting and Tax Considerations

Our Compensation Committee has reviewed the impact of tax and accounting treatment on the various components of our executive compensation program. We endeavor to award compensation that will be deductible for income tax purposes. Section 162(m) of the Internal Revenue Code generally disallows a tax deduction to publicly-held companies for compensation paid to "covered" executive officers, to the extent that compensation paid to such an officer exceeds \$1 million during the taxable year. None of the compensation paid to our covered executive officers for the year ended December 31, 2010 that would be taken into account in determining a Section 162(m) limitation exceeded the \$1 million limit. Our employee stock option plans and option grants to executives have been structured so that any compensation deemed paid to an executive officer in connection with the exercise of options with an exercise price equal to the fair market value of the shares on the grant date will qualify as performance-based compensation that will not be subject to the \$1 million limitation. The Compensation Committee does not expect to take any action at this time to modify cash compensation payable to the executive officers that would result in the application of Section 162(m).

COMPENSATION COMMITTEE REPORT

The Compensation Committee has reviewed and discussed with management the Compensation Discussion and Analysis provisions to be included in this proxy statement and in our Annual Report on Form 10-K for the year ended December 31, 2010. Based on this review and discussion, the Compensation Committee has recommended to the board of directors that the Compensation Discussion and Analysis be included in this Proxy Statement and in our Annual Report on Form 10-K for the year ended December 31, 2010.

The Compensation Committee of the Board of
Directors:

James D. Kupec (Chairman)
Carl E. Berg
Chi-Ping Hsu

SUMMARY COMPENSATION TABLE

| <u>Name and principal position</u> | <u>Year</u> | <u>Salary (\$)</u> | <u>Bonus (\$)</u> | <u>Option Awards (\$)(1)</u> | <u>Non-Equity Incentive Compensation (\$)</u> | <u>Total (\$)</u> |
|---|-------------|------------------------|-----------------------|--------------------------------------|---|-----------------------|
| Leonard Perham Chief Executive Officer & President | 2010 | 200,000 | — | — | — | 200,000 |
| | 2009 | 200,000 | — | 534,555 | — | 734,555 |
| | 2008 | 200,000 | — | — | — | 200,000 |
| James Sullivan(2) Chief Financial Officer & Vice President of Finance | 2010 | 195,000 | — | 233,359 | — | 428,359 |
| | 2009 | 195,000 | — | — | — | 195,000 |
| | 2008 | 186,250 | — | 295,925 | — | 482,175 |
| David DeMaria(3) Vice President of Business Operations | 2010 | 212,000 | — | 242,555 | 43,382 | 497,937 |
| | 2009 | 212,000 | — | — | 27,181 | 239,181 |
| | 2008 | 78,820 | 20,000 | 527,643 | 9,826 | 636,289 |
| Sundari Mitra(4) Executive Vice President of Engineering | 2010 | 205,000 | — | 150,591 | — | 355,591 |
| | 2009 | 115,772 | — | 487,822 | — | 603,594 |
| | 2008 | — | — | — | — | — |

- (1) Option award amounts reflect the aggregate grant date fair value with respect to stock options granted during the years indicated, as determined pursuant to FASB ASC Topic 718. The assumptions used to calculate the aggregate grant date fair value of option awards are set forth in the notes to the audited consolidated financial statements included in our 2010 Annual Report on Form 10-K filed with the SEC on March 15, 2011. These amounts do not reflect actual compensation earned or to be earned by our named executive officers.
- (2) Mr. Sullivan became our chief financial officer and vice president of finance in January 2008.
- (3) Mr. DeMaria became our vice president of business operations in August 2008. Mr. DeMaria earned the amounts listed for him in the non-equity incentive plan column for performance in 2008, 2009 and 2010 pursuant to sales commission incentive plans.
- (4) Ms. Mitra became our executive vice president of engineering in June 2009. In 2010, we made significant cash payments to Prism Circuits, Inc. upon the achievement of performance-based and other milestones pursuant to the terms of our asset purchase agreement with Prism Circuits, Inc. dated June 5, 2009. Although not part of her compensation, a substantial percentage of these payments were made to Ms. Mitra and her husband, Samir Mitra, a vice president of the Company during 2010, because they were major shareholders of Prism Circuits, Inc.

GRANTS OF PLAN-BASED AWARDS

The following table provides information on plan-based awards granted in 2010 to each of the named executive officers.

| <u>Name</u> | <u>Grant Date</u> | <u>All Other Option Awards: Number of Securities Underlying Options (#)</u> | <u>Exercise of Base Price of Option Awards (\$/Share)(1)</u> | <u>Grant Date Fair Value of Stock Option Awards \$(2)</u> |
|--------------------------|-------------------|---|--|---|
| James Sullivan | 6/28/10 | 101,500 | 4.70 | 233,359 |
| David DeMaria | 6/28/10 | 105,500 | 4.70 | 242,555 |
| Sundari Mitra | 6/28/10 | 65,500 | 4.70 | 150,591 |

- (1) Each option was granted at an exercise price equal to the fair market value of our common stock on the grant date which was equal to the closing price of a share of our common stock on the Nasdaq GM on the date of grant.
- (2) Amount shown reflects the aggregate grant date fair value for financial statement reporting purposes, as determined pursuant to FASB ASC Topic 718, which utilizes certain assumptions as outlined in the notes to the audited consolidated financial statements included in our 2010 Annual Report on Form 10-K filed with the SEC on March 15, 2011.

OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END

The following table sets forth information regarding the outstanding equity awards held by our named executive officers as of December 31, 2010.

| Name | Option Awards | | | | Stock Awards | |
|--------------------------|---|---|--|---------------------------|---------------------------|---|
| | Number of Securities Underlying Unexercised Options (#) Exercisable | Number of Securities Underlying Unexercised Options (#) Unexercisable | Equity Incentive Plan Awards: Number of Securities Underlying Unexercised Unearned Options (#) | Option Exercise Price(\$) | Option Expiration Date(1) | Number of Shares or Units of Stock That Have Not Vested (#) |
| Leonard Perham | 800,000(2) | | 450,000(7) | 5.61 | 11/8/14 | 187,500 (8) |
| James Sullivan | 138,542(3) | 51,458 | — | 3.73 | 1/18/18 | — |
| | 12,688(4) | 88,812 | — | 4.70 | 6/28/16 | — |
| David DeMaria | 160,416(5) | 114,584 | — | 4.57 | 8/18/14 | — |
| | 13,188(4) | 92,312 | — | 4.70 | 6/28/16 | — |
| Sundari Mitra | 188,608(6) | 421,876 | — | 1.55 | 6/26/15 | — |
| | 8,188(4) | 57,312 | — | 4.70 | 6/28/16 | — |

- (1) The standard option term prior to 2006 was ten years and subsequently generally six years, but all of the options expire automatically unless exercised within 90 days after the cessation of service as an employee, director or consultant of ours.
- (2) These options were granted pursuant to the terms of an employment offer letter agreement between us and Mr. Perham dated as of November 8, 2007. The shares subject to these options vested over 24 months and were fully vested as of November 8, 2009.
- (3) The stock option was granted on January 18, 2008 pursuant to the terms of an employment offer letter agreement between us and Mr. Sullivan dated as of December 21, 2007. The shares subject to these option vest over 48 months, with 25% vesting at the end of the first year of employment and the remaining shares monthly thereafter.
- (4) The stock option was granted on June 28, 2010, and the shares subject to this option vest monthly over 48 months subject to continued employment (or service as a director or consultant).
- (5) The stock option was granted on August 18, 2008 pursuant to the terms of an employment offer letter agreement between us and Mr. DeMaria dated as of July 31, 2008. The shares subject to the option vest over 48 months, with 25% vesting at the end of the first year of employment and the remaining shares monthly thereafter.
- (6) The stock option was granted on June 26, 2009 pursuant to the terms of an employment offer letter agreement between us and Ms. Mitra dated as of June 4, 2009. The shares subject to the option vest monthly over 48 months subject to continued employment (or service as a director or consultant).
- (7) Consists of an option for 350,000 shares and an option for 100,000 shares granted on November 8, 2007 pursuant to the terms of an employment offer letter agreement between us and Mr. Perham dated as of November 8, 2007. 350,000 shares vest as to 80% of these shares if the average closing price of our common stock for a 90-day measurement period is at least \$10.00 per share, and vests as to the remaining 20% of these shares pro rata for each \$0.01 increase in the average price up to \$12.00 per share during a 90-day measurement period. 100,000 shares vest as to 50% of the shares if the average closing price of our common stock for a 90-day measurement period is at least \$13.00 per share, and as to the remaining 50% of these shares pro rata for each \$0.01 increase up to \$15.00 per share during a 90-day measurement period. The vesting of such options is subject to Mr. Perham's continued employment or service as a director or consultant
- (8) In April 2010, the board of directors approved the modification of an option for 450,000 shares granted on October 22, 2009 to allow Mr. Perham to exercise 337,500 shares prior to vesting, subject to our right to repurchase any shares that subsequently failed to vest at the exercise price in accordance with the terms of a restricted stock purchase agreement. As of December 31, 2010, 187,500 shares were unvested and remained subject to the right of repurchase.

OPTION EXERCISES AND STOCK VESTED

The following table sets forth the number of shares acquired pursuant to the exercise of options by our named executive officers during 2010 and the aggregate dollar amount realized upon exercise of the options.

| <u>Name</u> | Option Awards | |
|--------------------------|---|--|
| | <u>Number of Shares Acquired on Exercise(#)</u> | <u>Value Realized on Exercise\$(1)</u> |
| Leonard Perham | 450,000(2) | 841,500 |
| Sundari Mitra | 47,516 | 122,591 |

- (1) The aggregate dollar value realized upon the exercise of an option represents the difference between the value of the underlying shares on the date of exercise as measured by the closing price of a share of common stock on the Nasdaq GM on that date and the exercise price of the option, multiplied by the total number of shares acquired.
- (2) In April 2010, the board of directors approved the modification of an option grant for 450,000 shares made on October 22, 2009. The modification allowed Mr. Perham to exercise 337,500 shares prior to vesting, subject to our right to repurchase any shares that subsequently failed to vest at the exercise price in accordance with the terms of a restricted stock purchase agreement.

EMPLOYMENT AND CHANGE-IN-CONTROL ARRANGEMENTS AND AGREEMENTS

We have entered into agreements with each of Messrs. Perham, Sullivan and DeMaria that provide for benefits in the event of a “Change in Control,” which is generally defined as:

- an acquisition of 45% or more of our common stock or voting securities by any “person” as defined under the Exchange Act; or
- consummation of a complete liquidation or dissolution of the Company or a merger, consolidation, reorganization or sale of all or substantially all of our assets (collectively, a “Business Combination”) other than a Business Combination in which (A) our stockholders receive 50% or more of the stock of the corporation resulting from the Business Combination and (B) at least a majority of the board of directors of such resulting corporation were our incumbent directors immediately prior to the consummation of the Business Combination, and (C) after which no individual, entity or group (excluding any corporation or other entity resulting from the Business Combination or any employee benefit plan of such corporation or of ours) who did not own 45% or more of the stock of the resulting corporation or other entity immediately before the Business Combination owns 45% or more of the stock of such resulting corporation or other entity.

Except as set forth below, in the event such benefits are triggered by a Change in Control and the subsequent termination of employment without cause (as defined in the related agreements) within 24 months of the Change in Control, each of these three named executive officers will be entitled to:

- any base salary earned but not yet paid through the date of termination;
- any annual or discretionary bonus earned but not yet paid to him for any calendar year prior to the year in which his termination occurs;
- any compensation under any deferred compensation plan of ours or deferred compensation agreement with us then in effect;

- any other compensation or benefits, including without limitation any benefits under long-term incentive compensation plans, any benefits under equity grants and awards and employee benefits under plans that have vested through the date of termination or to which he may then be entitled in accordance with the applicable terms of each grant, award or plan;
- reimbursement of any business expenses incurred by him through the date of termination but not yet paid; and
- acceleration of vesting of stock options:
 - Mr. Perham will be entitled to the immediate and unconditional vesting of the unvested portion of the 450,000 share option grant awarded to him on October 22, 2009 upon the Change in Control; and
 - Messrs. Sullivan and DeMaria will be entitled to the immediate and unconditional vesting of one year of the remaining then unvested option shares previously granted to them.

If a Change in Control occurred on December 31, 2010 under the agreements we entered into with the named executive officers, the following payments would have been required to the named officers:

| <u>Name</u> | <u>Base Salary</u> | <u>Unused Vacation</u> | <u>Bonus</u> | <u>Other Compensation & Benefits</u> | <u>Stock Option Vesting(1)</u> | <u>Total</u> |
|--------------------------|--------------------|------------------------|--------------|--|--------------------------------|--------------|
| Leonard Perham | — | \$13,622 | — | — | \$607,500 | \$621,122 |
| James Sullivan | — | 11,221 | — | — | 118,221 | 129,442 |
| David DeMaria | — | 14,439 | — | — | 103,111 | 117,550 |
| Sundari Mitra | — | 1,124 | — | — | — | — |

(1) The value is calculated as the intrinsic value per share, multiplied by the number of shares that would become fully vested upon the Change in Control. The intrinsic value per share would be calculated as the excess of the closing price of the common stock on the Nasdaq GM of \$5.69 on December 31, 2010 over the exercise price of the option. If the value is less than zero, it is deemed to be zero for the purposes of these calculations.

If a Change in Control occurred on December 31, 2010, and the employment of each of our named executive officers was terminated without cause, under the agreements entered into by us and the named executive officers, the following numbers of option shares would have vested immediately as a result of acceleration on December 31, 2010:

| <u>Name</u> | <u>Number of Accelerated Option Shares</u> |
|--------------------------|--|
| Leonard Perham | 187,500 |
| James Sullivan | 72,875 |
| David DeMaria | 95,125 |
| Sundari Mitra | — |

Employment Agreements

In addition to the agreements containing the Change in Control provisions summarized above, we have entered into a mutual agreement to arbitrate and our standard form of employment, confidential information and invention assignment agreement with each of the named executive officers.

We also have entered into agreements to indemnify our current and former directors and executive officers, in addition to the indemnification provided for in our certificate of incorporation and bylaws. These agreements, among other things, provide for indemnification of our directors and executive officers for many expenses, including attorneys' fees, judgments, fines and settlement amounts incurred by any such person in any action or proceeding, including any action by or in the right of the Company, arising out of such person's services as a director or executive officer of the Company, any subsidiary of the Company or any other company or enterprise to which the person provided services at our request.

SECURITIES AUTHORIZED FOR ISSUANCE UNDER EQUITY COMPENSATION PLANS

The following table provides information as of December 31, 2010 regarding equity compensation plans approved by our security holders and equity compensation plans that have not been approved by our security holders.

| <u>Plan Category</u> | <u>Number of Securities to be Issued Upon Exercise of Outstanding Options, Awards, Warrants and Rights</u> | <u>Weighted Average Exercise Price of Outstanding Options, Warrants and Rights</u> | <u>Number of Securities Remaining Available for Future Issuance under Equity Compensation Plans (excluding Securities reflected in Column (a))(1)</u> |
|---|--|--|---|
| | (a) | (b) | (c) |
| Equity compensation plans approved by security holders . | 5,610,505 | \$4.62 | 5,650,000 |
| Equity compensation plans not approved by security holders(2) | 4,825,577 | \$2.92 | — |

(1) Consists of 3,650,000 shares of common stock available for future issuance under the 2010 Plan and 2,000,000 shares of common stock available for future issuance under the 2010 Employee Stock Purchase Plan, or the 2010 ESPP. The 2010 Plan provides for an annual increase of 500,000 shares on January 1 of each year or a lesser amount determined by our board of directors.

(2) This reflects stock options granted in accordance with Marketplace Rule 5635(c)(4) of the NASDAQ listing rules to new employees as inducements material to their entering into employment with us. Such options have terms ranging from six to ten years. Except for the options granted to Mr. Perham in November 2007 and November 2009, and for the options granted to employees hired as a result of our acquisition of Prism Circuits, Inc. in June 2009, all such options vest at the rate of 25% of the shares subject to the option after the first anniversary of the grant date, and as to 1/48th of the total number of shares each month thereafter, subject to continued employment (or service as a director or consultant). The exercise price of all of the outstanding options was equal to the closing price of a share of common stock on the Nasdaq GM on the grant date.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth certain information as of April 8, 2011 concerning the ownership of our common stock by:

- each stockholder known by us to be the beneficial owner of more than 5% of the outstanding shares of our common stock (currently our only class of voting securities);
- each of our directors;
- each of the named executive officers; and
- all directors and executive officers as a group.

Beneficial ownership is determined in accordance with Rule 13d-3 of the Exchange Act, and includes all shares over which the beneficial owner exercises voting or investment power. Shares that are issuable upon the exercise of options, warrants and other rights to acquire common stock that are presently exercisable or exercisable within 60 days are reflected in a separate column in the table below. These shares are taken into account in the calculation of the total number of shares beneficially owned by a particular holder and the total number of shares outstanding for the purpose of calculating percentage ownership of the particular holder. We have relied on information supplied by our officers, directors and certain stockholders and on information contained in filings with the SEC. Except as otherwise indicated, and subject to community property laws where applicable, we believe, based on information provided by these persons, that the persons named in the table have sole voting and investment power with respect to all shares of common stock shown as beneficially owned by them. The percentage of beneficial ownership is based on 37,681,760 shares of common stock outstanding as of April 8, 2011.

Unless otherwise stated, the business address of each of our directors and executive officers listed in the table is 3301 Olcott Street, Santa Clara, California 95054.

| <u>Name and Address of Beneficial Owner</u> | <u>Amount and Nature of Beneficial Ownership</u> | | <u>Percent of Class</u> |
|--|---|--|-------------------------|
| | <u>Number of Shares Beneficially Owned (Excluding Outstanding Options)(1)</u> | <u>Number of Shares Issuable on Exercise of Outstanding Options(2)</u> | |
| Ingalls & Snyder LLC 61 Broadway New York, NY 10006(3) | 6,072,932 | — | 16.1 |
| 1981 Kara Ann Berg Trust, Clyde J. Berg, Trustee 10050 Bandle Drive, Cupertino, CA 94014(4) | 2,304,830 | — | 6.1 |
| Artis Capital Management, L.P. One Market Plaza, Suite 2700 San Francisco, CA 94105(5) | 3,958,307 | — | 10.5 |
| Directors and Officers: | | | |
| Leonard Perham(6) | 997,500 | 800,000 | 4.7 |
| Carl E. Berg 10050 Bandle Drive, Cupertino, CA 95014(7) | 1,778,433 | 146,667 | 5.1 |
| Tommy Eng | — | 276,667 | * |
| Chi-Ping Hsu | — | 196,667 | * |
| James D. Kupec | — | 196,667 | * |
| James Sullivan | 6,502 | 181,594 | * |
| David DeMaria | 15,000 | 213,240 | * |
| Sundari Mitra | 67,148 | 273,929 | * |
| All current directors and executive officers as a group (8 persons) | | | |

* Represents holdings of less than one percent.

- (1) Excludes shares subject to outstanding options, warrants or other rights to acquire common stock that are exercisable within 60 days.
- (2) Represents the number of shares subject to outstanding options, warrants or other rights to acquire common stock that are exercisable within 60 days.
- (3) According to a Schedule 13G/A filed with the SEC on January 11, 2011, Ingalls & Snyder LLC, reported that it had shared dispositive power over 6,072,982 shares, but no voting authority with respect to those shares and therefore disclaimed beneficial ownership of such shares pursuant to Rule 13d-3(d)(2) of the Exchange Act.

- (4) Clyde J. Berg is Carl E. Berg's brother, and Kara Berg, Carl Berg's adult daughter, is the sole beneficiary of this trust. Carl E. Berg has no power over voting or investment decisions with respect to any of these shares and disclaims beneficial ownership of them.
- (5) According to a Schedule 13G/A filed with the SEC on February 14, 2011, Artis Capital Management, L.P., reported that it had shared voting and dispositive power over 3,958,307 shares with Artis Capital Management, Inc. and Stuart Peterson.
- (6) Includes 131,250 shares acquired by Mr. Perham in April 2010 that are subject to a right of repurchase by the Company for any shares that subsequently fail to vest in accordance with the terms of a restricted stock purchase agreement.
- (7) Includes 124,998 shares held by Berg & Berg Enterprises, LLC, of which Carl E. Berg is the sole manager. Mr. Berg disclaims beneficial ownership of these shares, except to the extent of his pecuniary interest in them. Also includes 169,998 shares owned by Mr. Berg's wife, although Mr. Berg disclaims beneficial ownership of these shares.

TRANSACTIONS WITH RELATED PERSONS

Our Audit Committee Charter requires that the members of our Audit Committee, all of whom are independent directors, review and approve all related party transactions as defined in Item 404 of Regulation S-K promulgated by the SEC.

In July 2010, we entered into a lease agreement with Mission West Properties, Inc. (the "Lessor"), to lease approximately 47,000 square feet for our corporate headquarters in Santa Clara, California. The lease term is 120 months. We have an option to extend the lease for two additional five-year periods at 95% of the then fair market monthly rent rate. The chief executive officer and chairman of the board of the Lessor is Mr. Berg. For the year ended December 31, 2010, a total of \$379,000 of lease payments was made to the Lessor. The lease payments represented less than 5% of the Lessor's annual consolidated revenues during 2010. This transaction was reviewed by the board of directors and approved by the disinterested members of the Audit Committee in accordance with its charter.

In December 2010, we completed an equity offering and issued 4,955,000 shares of our common stock for approximately \$20,000,000 in net proceeds. Mr. Perham and Mr. Berg participated in the offering and purchased 275,000 and 230,000 shares of common stock, respectively, and paid the Company \$1,204,500 and \$1,007,400, respectively. Mr. Perham and Mr. Berg purchased these shares at the closing market price of our common stock on December 6, 2010 of \$4.38 per share, which compared with a \$4.00 price per share paid by the other parties who participated in the equity offering. The participation by Mr. Perham and Mr. Berg in the equity offering was approved by a majority of the disinterested directors on the board of directors.

AUDIT COMMITTEE REPORT

The Audit Committee reviews, acts on and reports to the board of directors with respect to various auditing and accounting matters. The Audit Committee also monitors the performance of our independent registered public accounting firm, and reviews the audit report on the consolidated financial statements following completion of the audit and our accounting practices with respect to internal accounting and financial controls. Management has primary responsibility for our financial statements and the overall reporting process, including our system of internal control over financial reporting. Our independent registered public accounting firm audits the financial statements prepared by management, expresses an opinion as to whether those financial statements fairly present our financial position, results of operations and cash flows in conformity with accounting principles generally accepted in the United States and discusses with the Audit Committee any issues they believe should be raised with us. The Audit Committee's responsibilities under the Audit Committee charter adopted by the board of directors effective August 15, 2000 and amended as of February 1, 2006 and February 8, 2008, include the selection or dismissal of our independent registered public accounting firm, review of the scope of the annual audits, and approval of fees to be paid to our independent registered public accounting firm.

The Audit Committee charter, as amended to date, can be found through the investors section of our website, www.mosys.com.

During the fiscal year ended December 31, 2010, Messrs. Berg, Eng and Kupec served on the Audit Committee for the entire year and are independent directors as determined in accordance with Rule 5605(a)(2) of the NASDAQ listing rules and Rule 10A-3 of the Securities Exchange Act of 1934.

The Audit Committee reviewed and discussed our audited financial statements for fiscal year 2010 with management and Burr Pilger Mayer, Inc., or BPM, our independent registered public accounting firm. The Audit Committee has discussed with BPM matters required to be discussed by the Statement on Auditing Standards No. 61, as amended (AICPA, Professional Standard, Vol. 1, AU section 380). BPM has provided to the Audit Committee the written disclosures and letter required by applicable requirements of the Public Company Accounting Oversight Board regarding the independent accountant's communications with the Audit Committee regarding independence, and the Audit Committee has discussed BPM's independence with members of that firm. BPM did not provide non-audit services to us during 2010. The Audit Committee has determined that the rendering of audit and audit-related services by BPM is compatible with maintaining the auditors' independence.

Based on the discussions with management and BPM concerning the audit, the independence discussions and the financial statement review, and such other matters deemed relevant and appropriate by the Audit Committee, the Audit Committee recommended to the board of directors that our financial statements for the year ended December 31, 2010 be included in its Annual Report on Form 10-K filed with the SEC.

The Audit Committee of the Board of Directors:

Carl E. Berg (Chairman)
Tommy Eng
James D. Kupec

**PROPOSAL NO. 1:
ELECTION OF DIRECTORS**

At the Annual Meeting, five directors are to be elected to serve until the next annual meeting of stockholders and until a successor for such director is elected and qualified, or until the death, resignation or removal of such director. There are five nominees, all of whom currently serve on our board of directors.

NOMINEES

Set forth below is information regarding the nominees for election to our board of directors:

| <u>Name</u> | <u>Position(s) with the Company</u> | <u>Year First Elected Director</u> |
|--------------------------|---|------------------------------------|
| Leonard Perham | Chief Executive Officer, President and Director | 2007 |
| Carl E. Berg | Director | 1992 |
| Tommy Eng | Director | 2004 |
| Chi-Ping Hsu | Director | 2004 |
| James D. Kupec | Director | 2004 |

Each person nominated has agreed to serve if elected, and our board of directors has no reason to believe that any nominee will be unavailable or will decline to serve. In the event, however, that any nominee is unable or declines to serve as a director at the time of the Annual Meeting, the proxies will be voted for any nominee who is designated by the current board of directors to fill the vacancy.

The Board of Directors Recommends a Vote “FOR” the Election of All of the Above Nominees.

**PROPOSAL NO. 2:
RATIFICATION OF INDEPENDENT REGISTERED
PUBLIC ACCOUNTING FIRM FOR 2011**

We are asking stockholders to ratify and approve the appointment of Burr Pilger Mayer, Inc., or BPM, as our independent registered public accounting firm for the year ending December 31, 2011. BPM has been our independent registered public accounting firm since 2007.

The Audit Committee meets with our independent registered public accounting firm at least four times a year. At such times, the Audit Committee reviews both audit and non-audit services performed by the independent registered public accounting firm, as well as the fees charged for such services. The Audit Committee has delegated its authority to the Chairman of the Audit Committee to pre-approve requests for audit and non-audit services. Among other things, the Audit Committee or the chairman of the Audit Committee examines the effect that performance of non-audit services may have upon the independence of the auditors. The following table shows the fees billed (in thousands of dollars) to us by BPM for the audit and other services provided for fiscal 2010 and 2009.

| | <u>2010</u> | <u>2009</u> |
|---------------------------------|--------------|--------------|
| Audit Fees(1) | \$434 | \$428 |
| Audit-Related Fees(2) | 11 | 84 |
| Total(3) | <u>\$445</u> | <u>\$512</u> |

- (1) Audit fees were attributable to the annual audit of our consolidated financial statements and internal control over financial reporting in compliance with regulatory requirements under the Sarbanes-Oxley Act and reviews of condensed consolidated financial statements included in quarterly reports on Forms 10-Q.
- (2) Audit-related fees consisted primarily of accounting consultations and services related to SEC registration statements.
- (3) BPM did not provide any non-audit or other services other than those reported under "Audit Fees" and "Audit Related Fees."

In the event the stockholders fail to ratify and approve the Audit Committee's appointment of BPM, the Audit Committee will reconsider its selection. Even if the appointment is ratified and approved, the Audit Committee, in its discretion, may direct the appointment of a different independent registered public accounting firm at any time during the year if the Audit Committee determines that such a change would be in our and the stockholders' best interests.

Representatives of BPM are expected to be present at the Annual Meeting, will have the opportunity to make a statement if they desire to do so and will be available to respond to appropriate questions.

The Board of Directors recommends a vote "FOR" the proposal to ratify the Audit Committee's appointment of Burr Pilger Mayer, Inc. to serve as our independent registered public accounting firm for the year ending December 31, 2011.

PROPOSAL NO. 3:
ADVISORY VOTE TO APPROVE EXECUTIVE COMPENSATION

We are providing stockholders with an advisory vote on executive compensation as required by Section 14A of the Exchange Act. Section 14A was added to the Exchange Act by Section 951 of the Dodd-Frank Wall Street Reform and Consumer Protection Act.

This vote is advisory, and, therefore, not binding on the Company, the Compensation Committee, or our board of directors. However, our board of directors and our Compensation Committee value the opinions of our stockholders and to the extent there is any significant vote against the compensation of our named executive officers, as disclosed in this Proxy Statement, we will consider our stockholders' concerns and the Compensation Committee will evaluate whether any actions are necessary to address those concerns.

As described in detail under the heading "Executive Compensation—Compensation Discussion and Analysis," our executive compensation program is designed to attract, motivate, and retain the named executive officers, who are critical to our success. Please read the Compensation Discussion and Analysis and the accompanying compensation tables beginning on page 11 of this Proxy Statement for additional information about our executive compensation program, including information about the compensation of the named executive officers in 2010. The Compensation Committee reviews our executive compensation program annually to ensure that it achieves the desired goal of aligning our executive compensation structure with the interests of our stockholders and current market practices.

We are asking our stockholders to indicate their support for the compensation of the named executive officers as described in this Proxy Statement. This proposal, commonly known as a "Say-on-Pay" proposal, gives our stockholders the opportunity to express their views on the compensation of the named executive officers. Please note that this vote is not intended to address any specific item of compensation, but rather the overall compensation of the named executive officers and the philosophy, policies and practices described in this Proxy Statement.

We will ask our stockholders to vote "FOR" the following resolution at the Annual Meeting:

"RESOLVED, that the Company's stockholders approve, on an advisory basis, the compensation of the named executive officers, as disclosed in the Proxy Statement for the 2011 Annual Meeting of Stockholders pursuant to the compensation disclosure rules of the Securities and Exchange Commission, including the Compensation Discussion and Analysis, the 2010 Summary Compensation Table and the other related tables and disclosure."

The Board of Directors Unanimously Recommends a Vote "FOR" approval of the above resolution.

PROPOSAL NO. 4:
**ADVISORY VOTE TO APPROVE THE FREQUENCY OF THE ADVISORY VOTE ON EXECUTIVE
COMPENSATION**

The Dodd-Frank Wall Street Reform and Consumer Protection Act also enables our stockholders to indicate, at least once every six years, how frequently we should seek an advisory vote on the compensation of the named executive officers, as disclosed in accordance with the rules of the SEC, such as Proposal No. 3 above. By voting on this Proposal No. 4, stockholders may indicate whether they would prefer that we conduct future advisory votes on named executive officer compensation once every one, two or three years.

The board of directors recommends a vote once every three years. A three-year cycle provides the Compensation Committee sufficient time to measure long-term performance, thoughtfully evaluate and respond to stockholder input and effectively implement desired changes to the compensation program. Moreover, there is an inherent delay between implementation of changes and their presentation in the proxy statement. Under SEC rules, decisions made for 2011 compensation are not reported until 2012. A three-year cycle will provide investors sufficient time to evaluate the effectiveness of the Company's performance and compensation strategies.

The proxy card provides stockholders with the opportunity to choose among four options (holding the vote every one, two or three years, or abstaining). The option that receives the highest number of votes cast will be the preferred frequency selected by stockholders for the advisory vote on executive compensation. However, because this vote is advisory, stockholders will not be voting to approve or disapprove the recommendation of the board of directors. The frequency of advisory vote on executive compensation preferred by stockholders is not binding on the Company, the Compensation Committee or the board of directors, which may decide that it is in the best interests of our stockholders and the Company to hold an advisory vote on executive compensation more or less frequently than the option preferred by stockholders.

The Board of Directors unanimously recommends that the stockholders select the option of having stockholders provide an advisory vote on the compensation of named executive officers once every THREE YEARS.

STOCKHOLDER PROPOSALS FOR 2012 ANNUAL MEETING

Deadline for Stockholder Proposals to be Considered for Inclusion in the Company's Proxy Materials Pursuant to Rule 14a-8. To be considered for inclusion in our proxy statement relating to the 2012 Annual Meeting of Stockholders pursuant to Rule 14a-8 of Regulation 14A under the Exchange Act, stockholder proposals must be received no later than January 6, 2012. Such proposals should be delivered to MoSys, Inc., Attn: Secretary, 3301 Olcott Street, Santa Clara, California 95054.

Requirements for Stockholder Proposals to be Brought Before the Annual Meeting Outside of Rule 14a-8. Our bylaws provide that for any stockholder nominations to the board of directors or any stockholder proposals (other than stockholder proposals made in accordance with Rule 14a-8) to be considered at an annual meeting of stockholders, the stockholder must have given timely notice thereof in writing to our Secretary not less than 90 nor more than 120 calendar days in advance of the anniversary of the previous year's annual meeting of stockholders. To be timely for the 2012 Annual Meeting of Stockholders, a stockholder's notice containing the information specified in our bylaws must therefore be delivered or mailed to and received by our secretary at our principal executive offices between February 8, 2012 and March 9, 2012. However, in the event that the annual meeting is called for a date that is not within thirty calendar days of the anniversary of the date on which the immediately preceding annual meeting of stockholders was called, to be timely, notice by the stockholder must be so received not later than the close of business on the tenth calendar day following the date on which public announcement of the date of the annual meeting is first made. In no event will the public announcement of an adjournment of an annual meeting of stockholders commence a new time period for the giving of a stockholder's notice as provided above. A stockholder's notice to our secretary must set forth the information required by our bylaws with respect to each matter the stockholder proposes to bring before the annual meeting. A copy of the full text of our bylaws, including the provisions dealing with stockholder proposals and stockholder nominations, is available to stockholders upon written request to MoSys, Inc., Attn: Secretary, 3301 Olcott Street, Santa Clara, California 95054.

In addition, the proxy solicited by the board of directors for the 2012 Annual Meeting of Stockholders will confer discretionary authority to vote on (i) any proposal presented by a stockholder at that meeting for which we have not been provided with notice on or prior to March 9, 2012 and (ii) any proposal made in accordance with the bylaw provisions, if the 2012 proxy statement briefly describes the matter and how management's proxy holders intend to vote on it, if the stockholder does not comply with the requirements of Rule 14a-4(c)(2) under the Securities Exchange Act of 1934.

OTHER MATTERS

Our board of directors knows of no other matters to be presented for stockholder action at the Annual Meeting. However, if other matters do properly come before the Annual Meeting or any adjournments or postponements thereof, our board of directors intends that the persons named in the proxies will vote upon such matters in accordance with the best judgment of the proxy holders.

Whether or not you intend to be present at the meeting, you are urged to fill out, sign, date and return the enclosed proxy at your earliest convenience.

BY ORDER OF THE BOARD OF DIRECTORS

/s/ LEONARD PERHAM

Leonard Perham
Chief Executive Officer and President

Santa Clara, California
April 20, 2011

MoSys, Inc.

2011 ANNUAL MEETING OF STOCKHOLDERS

Tuesday, June 7, 2011

9:30 A.M. P.D.T.

Corporate Headquarters

3301 Olcott Street

Santa Clara, CA 95054



MoSys, Inc.
3301 Olcott Street
Santa Clara, CA 95054

proxy

This Proxy is Solicited on Behalf of the Board of Directors of MoSys, Inc.

The undersigned, revoking any proxy previously given, hereby appoints Mr. Leonard Perham proxy, with the full power of substitution, to vote the shares of the undersigned in favor of each proposal designated on this Proxy Card and to vote the shares of the undersigned in his discretion with respect to other matters that properly come before the 2011 Annual Meeting of Stockholders of MoSys, Inc. on June 7, 2011, and any adjournment of the Annual Meeting.

You are encouraged to specify your choice by marking the appropriate boxes, but you need not mark any boxes if you wish to vote in accordance with the Board of Directors recommendation. This proxy, when properly executed, will be voted as directed. If no direction is given with respect to a particular proposal, this proxy will be voted "FOR ALL NOMINEES" for Proposal 1, "FOR" Proposal 2 and Proposal 3 and for "THREE YEARS" for Proposal 4. The proxy cannot vote your shares unless you sign this card on the REVERSE SIDE before returning it.

PLEASE MARK, DATE, SIGN, AND RETURN THIS PROXY CARD PROMPTLY, USING THE ENCLOSED ENVELOPE; OR UTILIZE THE TELEPHONE OR INTERNET VOTING PROCEDURE AS DESCRIBED ON THE REVERSE SIDE OF THIS FORM. NO POSTAGE IS REQUIRED IF MAILED IN THE UNITED STATES.

See reverse for voting instructions.



Shareowner Services™
 P.O. Box 64945
 St. Paul, MN 55164-0945

COMPANY #

**Vote by Internet, Telephone or Mail
 24 Hours a Day, 7 Days a Week**

Your phone or Internet vote authorizes the named proxy to vote your shares in the same manner as if you marked, signed and returned your proxy card.



INTERNET – www.epoxy.com/mosy

Use the Internet to vote your proxy until 12:00 p.m. (CT) on June 6, 2011.



PHONE – 1-800-560-1965

Use a touch-tone telephone to vote your proxy until 12:00 p.m. (CT) on June 6, 2011.



MAIL – Mark, sign and date your proxy card and return it in the postage-paid envelope provided.

If you vote your proxy by Internet or by Telephone, you do NOT need to mail back your Proxy Card.

TO VOTE BY MAIL AS THE BOARD OF DIRECTORS RECOMMENDS ON ALL ITEMS BELOW, SIMPLY SIGN, DATE, AND RETURN THIS PROXY CARD.

⏏ Please detach here ⏏

The Board of Directors Recommends a Vote "FOR" Items 1, 2 and 3 and "THREE YEARS" for Item 4.

1. Election of directors: 01 Carl E. Berg 04 James D. Kupec
 02 Tommy Eng 05 Leonard Perham
 03 Chi-Ping Hsu

Vote FOR all nominees (except as marked)

Vote WITHHELD from all nominees

(Instructions: To withhold authority to vote for any indicated nominee, write the number(s) of the nominee(s) in the box provided to the right.)

2. The ratification of the appointment of Burr Pilger Mayer, Inc. as independent registered public accounting firm for the fiscal year ending December 31, 2011.

For Against Abstain

3. Proposal to approve 2010 executive compensation.

For Against Abstain

4. Executive compensation frequency proposal.

3 Years 2 Years 1 Year Abstain

THIS PROXY WHEN PROPERLY EXECUTED WILL BE VOTED IN THE MANNER DIRECTED HEREIN BY THE UNDERSIGNED STOCKHOLDER. IF NO DIRECTION IS MADE, THIS PROXY WILL BE VOTED FOR EACH OF THE NOMINEES IN PROPOSAL ONE, FOR PROPOSALS TWO AND THREE AND FOR THREE (3) YEARS FOR PROPOSAL FOUR. IN HIS DISCRETION, THE PROXY IS AUTHORIZED TO TRANSACT ANY OTHER BUSINESS AND VOTE ON ANY OTHER MATTERS REFERRED TO IN SEC RULE 14a-4 THAT MAY PROPERLY COME BEFORE THE MEETING.

Address Change? Mark box, sign, and indicate changes below:

Date _____

Signature(s) in Box

Please sign exactly in the name or names in which you hold your shares of common stock. For joint accounts, each owner should sign. When signing as executor, administrator, attorney, trustee, guardian or other fiduciary, please give your full title. If signing for a corporate or other entity, please sign in full corporate or other entity name by a duly authorized officer or other agent.