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**AEROVIRONMENT, INC.**  
**PROXY FOR ANNUAL MEETING OF STOCKHOLDERS**

**THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS**

The undersigned, a stockholder of AeroVironment, Inc., a Delaware corporation (the "Company"), hereby nominates, constitutes and appoints Timothy E. Conver and Jikun Kim, or either one of them, as proxy of the undersigned, each with full power of substitution, to attend, vote and act for the undersigned at the annual meeting of stockholders of the Company, to be held on September 29, 2011, and any postponements or adjournments thereof, and in connection therewith, to vote and represent all of the shares of the Company which the undersigned would be entitled to vote with the same effect as if the undersigned were present, as follows:

**(Continued and to be signed on the reverse side)**



ANNUAL MEETING OF STOCKHOLDERS OF  
**AEROVIRONMENT, INC.**

September 29, 2011

**NOTICE OF INTERNET AVAILABILITY OF PROXY MATERIAL:**

The Notice of Meeting, Proxy Statement, Proxy Card  
are available at <http://investor.avinc.com>

Please sign, date and mail  
your proxy card in the  
envelope provided as soon  
as possible.

↓ Please detach along perforated line and mail in the envelope provided. ↓

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A VOTE FOR PROPOSALS 1, 2, 3 AND 4 IS RECOMMENDED BY THE BOARD OF DIRECTORS:  
A VOTE FOR "3 YEARS" ON PROPOSAL 5 IS RECOMMENDED BY THE BOARD OF DIRECTORS:  
PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE ☒

**Proposal 1. To elect the board of directors' nominee as director:**

☐

FOR THE NOMINEE

NOMINEE:

Joseph F. Alibrandi

☐

WITHHOLD AUTHORITY  
FOR THE NOMINEE

**Proposal 2. To ratify the selection of Ernst & Young LLP as the Company's independent registered public accounting firm:**

FOR ☐ AGAINST ☐ ABSTAIN ☐

**Proposal 3. Amendment and Restatement of AeroVironment's 2006 Equity Incentive Plan:**

☐ ☐ ☐

**Proposal 4. Advisory Vote on Executive Compensation:**

☐ ☐ ☐

**Proposal 5. Advisory Vote on Frequency of Executive Compensation Advisory Votes:**

3 years ☐ 2 years ☐ 1 year ☐ ABSTAIN ☐

The undersigned hereby revokes any other proxy to vote at the annual meeting, and hereby ratifies and confirms all that said attorneys and proxies, and each of them, may lawfully do by virtue hereof. With respect to matters not known at the time of the solicitation hereof, said proxies are authorized to vote in accordance with their best judgment.

**THIS PROXY WILL BE VOTED IN ACCORDANCE WITH THE INSTRUCTIONS SET FORTH ABOVE OR, TO THE EXTENT NO CONTRARY DIRECTION IS INDICATED, WILL BE TREATED AS A GRANT OF AUTHORITY TO VOTE FOR ALL PROPOSALS. IF ANY OTHER BUSINESS IS PRESENTED AT THE ANNUAL MEETING, THIS PROXY CONFERS AUTHORITY TO AND SHALL BE VOTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROXIES.**

The undersigned acknowledges receipt of a copy of the notice of annual meeting and accompanying proxy statement dated August 22, 2011 relating to the annual meeting.

MARK "X" HERE IF YOU PLAN TO ATTEND THE MEETING. ☐

To change the address on your account, please check the box at right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via this method.

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Signature of Stockholder

Date:

Signature of Stockholder

Date:

**Note:** Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.