

SEMILEDS CORPORATION
3F NO. 11 KE JUNG ROAD
CHU-NAN SITE, HSINCHU SCIENCE PARK
CHU-NAN 350
MIAO-LI COUNTY, TAIWAN R. O. C.

VOTE BY INTERNET - www.proxyvote.com

Use the Internet to transmit your voting instructions and for electronic delivery of information. Vote by 8:59 a.m. Eastern Standard Time on June 28, 2018. Have your proxy card in hand when you access the web site and follow the instructions to obtain your records and to create an electronic voting instruction form.

ELECTRONIC DELIVERY OF FUTURE PROXY MATERIALS

If you would like to reduce the costs incurred by our company in mailing proxy materials, you can consent to receiving all future proxy statements, proxy cards and annual reports electronically via e-mail or the Internet. To sign up for electronic delivery, please follow the instructions above to vote using the Internet and, when prompted, indicate that you agree to receive or access proxy materials electronically in future years.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions. Vote by 8:59 a.m. Eastern Standard Time on June 28, 2018. Have your proxy card in hand when you call and then follow the instructions.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK AS FOLLOWS:

E48371-P10552

KEEP THIS PORTION FOR YOUR RECORDS
 DETACH AND RETURN THIS PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

SEMILEDS CORPORATION

The Board of Directors recommends you vote FOR the following:

1. Election of Directors

For All Withhold All For All Except

To withhold authority to vote for any individual nominee(s), mark "For All Except" and write the number(s) of the nominee(s) on the line below.

Nominees:

- 01) Trung T. Doan
- 02) Walter Michael Gough
- 03) Dr. Edward Hsieh
- 04) Roger Lee
- 05) Scott R. Simplot

The Board of Directors recommends you vote FOR proposals 2 and 3.

2. Ratification of the appointment of BF Borgers CPA PC as our independent registered public accounting firm for fiscal year 2018.

For Against Abstain

3. Advisory vote on executive compensation.

The Board of Directors recommends you vote 3 YEARS for proposal 4.

4. Advisory vote on the frequency of holding future advisory votes on executive compensation.

1 Year 2 Years 3 Years Abstain

The Board of Directors recommends you vote FOR proposal 5.

5. Approve the amendment of the restated certificate of incorporation, as amended, to reduce the number of authorized common stock from 75,000,000 to 7,500,000.

For Against Abstain

NOTE: Transact such other business as may properly come before the annual meeting including adjournments and postponements.

Please sign exactly as your name(s) appear(s) hereon. When signing as attorney, executor, administrator, or other fiduciary, please give full title as such. Joint owners should each sign personally. All holders must sign. If a corporation or partnership, please sign in full corporate or partnership name by authorized officer.

Signature [PLEASE SIGN WITHIN BOX]

Date

Signature (Joint Owners)

Date

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting:

The Notice and Proxy Statement and Annual Report are available at www.proxyvote.com.

E48372-P10552

**SEMILEDS CORPORATION
Annual Meeting of Stockholders
June 29, 2018**

This Proxy is solicited by the Board of Directors

The undersigned stockholder of SemiLEDs Corporation (the "Company") hereby constitutes and appoints TRUNG T. DOAN as proxy and attorney-in-fact of the undersigned, with full power of substitution, to vote all of the shares of common stock of the Company standing in the name of the undersigned at the Annual Meeting of Stockholders to be held on Friday, June 29, 2018 at 10:00 A.M. local time at SemiLEDs, 3rd floor, No. 11, Ke Jung Road, Chu-Nan, Hsinchu Science Park, Miao-Li County, Taiwan, and at any adjournment(s) and postponement(s) thereof. If you need directions to the Annual Meeting so that you may attend and vote in person, please contact investor@semileds.com.

Unless a contrary direction is indicated, the proxy holders will vote the undersigned's shares FOR the election of the nominees for director, FOR ratification of the appointment of BF Borgers CPA PC as the independent registered public accounting firm of the Company for the fiscal year ending August 31, 2018, FOR an advisory vote on executive compensation, for THREE YEARS on the advisory vote on the frequency of holding future advisory votes on executive compensation, FOR the amendment of the restated certificate of incorporation, as amended, to reduce the number of authorized common stock from 75,000,000 to 7,500,000, and in accordance with the judgment of the proxy holder on any other business as may properly come before the meeting or any adjournment or postponement thereof. If specific instructions are indicated, this Proxy will be voted in accordance therewith.

IF YOU ELECT TO VOTE BY MAIL, PLEASE FILL IN, DATE, SIGN AND MAIL THIS PROXY CARD PROMPTLY IN THE ENCLOSED POSTAGE-PAID ENVELOPE.

If you vote by telephone or the Internet, please DO NOT mail back this proxy card.

Continued and to be signed on reverse side