

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934
(Amendment No. __)

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 Pursuant to §14a-11(c) or Rule 14a-12

AtriCure, Inc.

(Name of Registrant as Specified In Its Charter)

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

Payment of Filing Fee (Check the appropriate box):

- No fee required
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.
- Title of each class of securities to which transaction applies:

 - Aggregate number of securities to which transaction applies:

 - Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

 - Proposed maximum aggregate value of transaction:

 - Total fee paid:

- Fee paid previously with preliminary materials.
- Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.
- Amount previously paid:

 - Form, Schedule or Registration Statement No.:

 - Filing Party:

 - Date Filed:

- _____

***** Exercise Your *Right* to Vote *****
**Important Notice Regarding the Availability of Proxy Materials for the
Annual Meeting of Stockholders to Be Held on May 20, 2020.**

ATRICURE, INC.

AtriCure

ATRICURE, INC.
ATTN: ALLIE WALKER
7555 INNOVATION WAY
MASON, OH 45040

E97383-P33666

Meeting Information

Meeting Type: Annual Meeting
For holders as of: March 23, 2020
Date: May 20, 2020 **Time:** 9:00 AM EDT
Location: Meeting live via the Internet-please visit
www.virtualshareholdermeeting.com/ATRC2020.

The company will be hosting the meeting live via the Internet this year. To attend the meeting via the Internet please visit www.virtualshareholdermeeting.com/ATRC2020 and be sure to have the information that is printed in the box marked by the arrow → XXXX XXXX XXXX XXXX (located on the following page).

You are receiving this communication because you hold shares in the company named above.

This is not a ballot. You cannot use this notice to vote these shares. This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. You may view the proxy materials online at www.proxyvote.com or easily request a paper copy (see reverse side).

We encourage you to access and review all of the important information contained in the proxy materials before voting.

See the reverse side of this notice to obtain proxy materials and voting instructions.

Voting Items

The Board of Directors recommends you vote "FOR" each of the following nominees:

1. Election of Directors
 - 1a. Michael H. Carrel
 - 1b. Mark A. Collar
 - 1c. Scott W. Drake
 - 1d. Daniel P. Florin
 - 1e. Regina E. Groves
 - 1f. B. Kristine Johnson
 - 1g. Mark R. Lanning
 - 1h. Karen N. Prange
 - 1i. Sven A. Wehrwein
 - 1j. Robert S. White

The Board of Directors recommends you vote "FOR" the following proposals:

2. Proposal to ratify the appointment of Deloitte & Touche LLP as independent registered public accounting firm for the Company for the fiscal year ending December 31, 2020.
3. Proposal to amend the AtriCure, Inc. 2014 Stock Incentive Plan to increase the number of authorized shares by 900,000.
4. Advisory vote on the compensation of our named executive officers as disclosed in the proxy statement for the 2020 Annual Meeting.

NOTE: THIS PROXY WILL BE VOTED AS DIRECTED OR, IF NO CONTRARY DIRECTION IS INDICATED, WILL BE VOTED AS FOLLOWS: (1) FOR THE ELECTION OF THE 10 NOMINATED DIRECTORS; (2) FOR THE RATIFICATION OF THE APPOINTMENT OF DELOITTE & TOUCHE LLP AS INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE FISCAL YEAR ENDING DECEMBER 31, 2020; (3) FOR THE APPROVAL OF THE AMENDMENT TO THE ATRICURE, INC. 2014 STOCK INCENTIVE PLAN; (4) FOR THE APPROVAL OF THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS AS DISCLOSED IN THE PROXY STATEMENT FOR THE 2020 ANNUAL MEETING; AND (5) IN THE DISCRETION OF THE PROXY HOLDERS ON SUCH MATTERS AS MAY PROPERLY COME BEFORE THE MEETING. PLEASE SIGN, DATE AND PROMPTLY RETURN THIS PROXY IN THE ENCLOSED RETURN ENVELOPE, WHICH IS POSTAGE PREPAID IF MAILED IN THE UNITED STATES.

E97385-P33666

AtriCure

ATRICURE, INC.
ATTN: ALLE WALKER
7555 INNOVATION WAY
MASON, OH 45040

VOTE BY INTERNET

Before The Meeting - Go to www.proxyvote.com

Use the Internet to transmit your voting instructions and for electronic delivery of information. Vote by 11:59 p.m. Eastern Time on May 19, 2020. 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.

During The Meeting - Go to www.virtualshareholdermeeting.com/ATRC2020

You may attend the meeting via the Internet and vote during the meeting. Have the information that is printed in the box marked by the arrow available and follow the instructions.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions. Vote by 11:59 p.m. Eastern Time on May 19, 2020. 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:

E97362-P33666

KEEP THIS PORTION FOR YOUR RECORDS

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

DETACH AND RETURN THIS PORTION ONLY

ATRICURE, INC.

The Board of Directors recommends you vote "FOR" each of the following nominees:

	For	Against	Abstain
1. Election of Directors			
1a. Michael H. Carrel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1b. Mark A. Collar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1c. Scott W. Drake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1d. Daniel P. Florin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1e. Regina E. Groves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1f. B. Kristine Johnson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1g. Mark R. Lanning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1h. Karen N. Prange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1i. Sven A. Wehrwein	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1j. Robert S. White	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The Board of Directors recommends you vote "FOR" the following proposals:

2. Proposal to ratify the appointment of Deloitte & Touche LLP as independent registered public accounting firm for the Company for the fiscal year ending December 31, 2020.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	For	Against	Abstain
3. Proposal to amend the AtriCure, Inc. 2014 Stock Incentive Plan to increase the number of authorized shares by 900,000.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Advisory vote on the compensation of our named executive officers as disclosed in the proxy statement for the 2020 Annual Meeting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: THIS PROXY WILL BE VOTED AS DIRECTED OR, IF NO CONTRARY DIRECTION IS INDICATED, WILL BE VOTED AS FOLLOWS: (1) FOR THE ELECTION OF THE 10 NOMINATED DIRECTORS; (2) FOR THE RATIFICATION OF THE APPOINTMENT OF DELOITTE & TOUCHE LLP AS INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE FISCAL YEAR ENDING DECEMBER 31, 2020; (3) FOR THE APPROVAL OF THE AMENDMENT TO THE ATRICURE, INC. 2014 STOCK INCENTIVE PLAN; (4) FOR THE APPROVAL OF THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS AS DISCLOSED IN THE PROXY STATEMENT FOR THE 2020 ANNUAL MEETING; AND (5) IN THE DISCRETION OF THE PROXY HOLDERS ON SUCH MATTERS AS MAY PROPERLY COME BEFORE THE MEETING. PLEASE SIGN, DATE AND PROMPTLY RETURN THIS PROXY IN THE ENCLOSED RETURN ENVELOPE, WHICH IS POSTAGE PREPAID IF MAILED IN THE UNITED STATES.

For address changes and/or comments, please check this box and write them on the back where indicated.	<input type="checkbox"/>
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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 _____

NOTICE OF VIRTUAL ANNUAL MEETING OF STOCKHOLDERS OF
ATRICURE, INC.

May 20, 2020 at 9:00 AM EDT

Access to this year's Virtual Annual Meeting of Stockholders
will be available at www.virtualshareholdermeeting.com/ATRC2020

**IMPORTANT NOTICE REGARDING INTERNET AVAILABILITY OF PROXY
MATERIALS**

FOR THE ANNUAL MEETING TO BE HELD ON MAY 20, 2020:

You are receiving this communication because you hold shares in the above company,
and the materials you should review before you cast your vote are now available.

The Proxy Statement and Company's Annual Report on Form 10-K are available at:
www.proxyvote.com

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

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting:
The Form 10-K and Notice and Proxy Statement are available at www.proxyvote.com.

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

E97363-P33666

ATRICURE, INC.
2020 ANNUAL MEETING OF STOCKHOLDERS
MAY 20, 2020 9:00 AM EDT
THIS PROXY IS SOLICITED BY THE BOARD OF DIRECTORS

The undersigned stockholder of AtriCure, Inc., a Delaware corporation, hereby acknowledges receipt of the Notice of Annual Meeting of Stockholders and Proxy Statement, each dated April 8, 2020, and hereby appoints Michael H. Carrel and M. Andrew Wade, or either of them, as proxy and attorney-in-fact, with full power of substitution, on behalf and in the name of the undersigned to represent the undersigned at the 2020 Annual Meeting of Stockholders of AtriCure, Inc. to be held on May 20, 2020 at 9:00 AM EDT online at www.virtualshareholdermeeting.com/ATRC2020 and at any postponement or adjournment thereof, and to vote all shares of common stock which the undersigned would be entitled to vote if then and there personally present, hereby revoking any proxies heretofore given, on the matters set forth on the reverse side and in their discretion with respect to such other business as may properly come before such Annual Meeting or at any postponement or adjournment thereof in accordance with and as described in the Notice and Proxy Statement for the Annual Meeting.

THIS PROXY, WHEN PROPERLY EXECUTED, WILL BE VOTED IN THE MANNER DIRECTED HEREIN BY THE UNDERSIGNED STOCKHOLDER(S). IF NO SUCH DIRECTION IS MADE, THIS PROXY WILL BE VOTED IN ACCORDANCE WITH THE BOARD OF DIRECTORS' RECOMMENDATIONS.

PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE.

Address Changes/Comments: _____

(If you noted any Address Changes/Comments above, please mark corresponding box on the reverse side.)

(Continued and to be signed on reverse side)