#### 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 (Amendment No. \_ )

Filed by the Registrant  $extsf{ }$ 

Filed by a Party other than the Registrant  $\ \square$ 

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.
  - 1. Title of each class of securities to which transaction applies:
  - 2. Aggregate number of securities to which transaction applies:
  - 3. 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):
  - 4. Proposed maximum aggregate value of transaction:
  - 5. 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.
  - 1. Amount previously paid:
  - 2. Form, Schedule or Registration Statement No.:
  - 3. Filing Party:
  - 4. Date Filed:

## \*\*\* Exercise Your *Right* to Vote \*\*\* Important Notice Regarding the Availability of Proxy Materials for the Stockholder Meeting to Be Held on May 22, 2018

ATRICURE, INC.



Meeting Type: Annual Meeting For holders as of: March 23, 2018 Date: May 22, 2018 Time: 9:00 AM EDT Location: Corporate Offices of AtriCure 7555 Innovation Way Mason, Ohio 45040

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

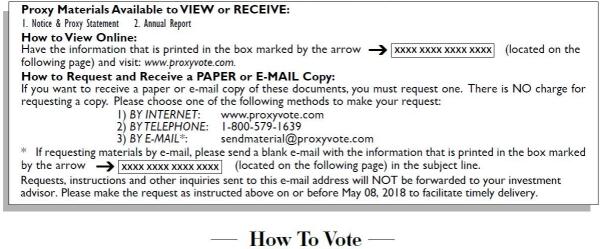
This is not a ballot. You cannot use this notice to vote these shares. This communication presents only an overview of the more complete proxy materials that are available to you on the Internet. You may view the proxy materials online at www.proxyvote.com or easily request a paper copy (see reverse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

# – Before You Vote –

How to Access the Proxy Materials



## Please Choose One of the Following Voting Methods

**Vote In Person:** Many stockholder meetings have attendance requirements including, but not limited to, the possession of an attendance ticket issued by the entity holding the meeting. Please check the meeting materials for any special requirements for meeting attendance. At the meeting, you will need to request a ballot to vote these shares.

**Vote By Internet:** To vote now by Internet, go to *www.proxyvote.com*. Have the information that is printed in the box marked by the arrow  $\rightarrow$  **XXXX XXXX XXXX available and follow the instructions**.

Vote By Mail: You can vote by mail by requesting a paper copy of the materials, which will include a proxy card.

	Voting items
	Board of Directors recommends you vote the following:
1.	Authority to elect as Directors the following eight (8) nominees.
	Nominees
01 06	Michael H. Carrel 02 Mark A. Collar 03 Scott W. Drake 04 Regina E. Groves 05 B. Kristine Johnson Mark R. Lanning 07 Sven A. Wehrwein 08 Robert S. White
The	Board of Directors recommends you vote FOR proposals 2, 3, 4 and 5.
2.	Proposal to ratify the appointment of Deloitte & Touche LLP as independent registered public accounting firm of the Company for the year ending December 31, 2018.
3.	Advisory vote on the compensation of our named executive officers as disclosed in the proxy statement for the 2018 Annual Meeting.
4.	Proposal to amend the AtriCure, Inc. 2014 Stock Incentive Plan to increase the number of authorized shares by 850,000 and amend the provisions of non-employee director equity grants.
5	Proposal to approve the AtriCure, Inc. 2018 Employee Stock Purchase Plan.
(1) LLP OF MEE APP ON	E: THIS PROXY WILL BE VOTED AS DIRECTED OR, IF NO CONTRARY DIRECTION IS INDICATED, WILL BE VOTED AS FOLLOWS: FOR THE ELECTION OF THE NOMINATED DIRECTORS; (2) FOR THE RATIFICATION OF THE APPOINTMENT OF DELOITTE & TOUCHE AS INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE YEAR ENDING DECEMBER 31, 2018; (3) FOR THE APPROVAL THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS AS DISCLOSED IN THE PROXY STATEMENT FOR THE 2018 ANNUAL TING; (4) FOR THE APPROVAL OF THE AMENDMENT TO THE ATRICURE, INC. 2014 STOCK INCENTIVE PLAN; (5) FOR THE ROVAL OF THE ATRICURE, INC. 2018 EMPLOYEE STOCK PURCHASE PLAN; AND (6) IN THE DISCRETION OF THE PROXY IN THE SUCH OTHER MATTERS AS MAY COME BEFORE THE MEETING, PLEASE SIGN, DATE AND PROMPTLY RETURN THIS PROXY IN THE LOSED RETURN ENVELOPE, WHICH IS POSTAGE PREPAID IF MAILED IN THE UNITED STATES.



VOTE BY INTERNET - www.proxyvote.com Use the internet to transmit your voting instructions and for electronic delivery of information. Vote by 11:59 P.M. ET on 05/21/2019. Have your proxy card in hand when you access the website 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 - 1-800-650-6503 Use any touch-tone telephone to transmit your voting instructions. Vote by 11:59 P.M. ET on 05/21/2018. 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, clo Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

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

	THIS PRO	KY CARD	IS V	ALID O	NLY WHEN	SIGNED	AND DAT	ED.	DETACH A	ND RETURN THI	S PORTION ON
The Board of Directors recommends you vote FCR the following:		For	Withhold	For All Except	individual Except" an	d write t	ty to vot (s), mark the number( ine below.	o for an "For Al s) of the	Ĩ		a
<ol> <li>Authority to elect as Directors the following eight (8) nominees.</li> <li>Numinees.</li> </ol>					87				-		
01 Michael H. Carrel 02 Mark	A. Collar A. Webrwein			t W. Drake rt S. White		04 Reg	ina E. Groves		05	B. Kristine Johnso	
The Board of Directors recommends you vote FOR proposals 2, 3,	4 and 5.	For	Against	Abstain							
<ol> <li>Propesal to ratify the appointment of Beloitta &amp; Touche LUS independent registered public accounting firm of the Compu- year anding December 31, 2018.</li> </ol>		D	0	0	NOTE: THIS PROCY M INDICATED, WILL BE DORECTORS; (2) FOR TOUCHE LLP AS INDER ENDING DECEMBER 30	VOTED AS FOLLONS THE RATIFICATION RENDENT RECOSTERS 2018; (3) FOR T	5: (1) FOR THE ELED OF THE APPOINTNES ED PUBLIC ACCOUNTIN THE APPRIVAL OF THE	TION OF THE NOR It of delotite B Ig Firm for the Compensation D	UNATED I Year IF Our		
<ol> <li>Advisory vote on the compensation of our named executive of disclosed in the praxy statement for the 2018 Annual Newtin</li> </ol>		0	0	0	NAMED EXECUTIVE OF ANNUAL MEETING; 14 INC. 2014 STOCK IN	FOR THE APPRIM ENTIVE PLAN; (5)	I OF THE AMERICAEN	OF THE ATRICUS	E, INC.		
<ol> <li>Proposal to amond the AtriCare, Inc. 2014 Stock Incentive P increase the number of authorized shares by 860,000 and amo gravitizes of non-amplayee director equity grants.</li> </ol>	Flam to and the	O	0	0	2018 EMPLOYEE STOC HOLDERS ON SUCH OT DATE AND PROMPTLY I IS POSTAGE PREPAID	ER NATTERS AS N ETURN THES PROC	Y COME BEFORE THE	NEETING. PLEASE	SDGM,		
<ol> <li>Proposal to approve the AtriEare, Inc. 2018 Employee Stock Plan.</li> </ol>	Purchase	O	O	D							
For address changeloomments, mark bers. (see reverse for instructions)		Yes	No	D							
Please indicate if you plan to attend this meeting		D	0								
Please sign wactly as your name(s) appear(s) hereon. When sign please give full title as such .dont means should each sign partnership, please sign in full corporate or partnership name	personally. All holder	rs must sign. If			· [				1	T	
	Date	13			Signature				Date	10	

### ANNUAL MEETING OF STOCKHOLDERS OF ATRICURE, INC. May 22, 2018

### IMPORTANT NOTICE REGARDING INTERNET AVAILABILITY OF PROXY MATERIALS

### FOR THE ANNUAL MEETING TO BE HELD ON MAY 22, 2018:

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 annual report to security holders are available at: http://ir.atricure.com/phoenix.zhtml?c=189981&p=proxy

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.↓

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting: The Annual Report and Notice & Proxy Statement are available at <u>www.proxyvote.com</u>.

	ATRICURE, INC.
	2018 ANNUAL MEETING OF STOCKHOLDERS
	THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS
Statement,each dal power of substitutio be held on May 22, thereof, and to vote the reverse side an	ookholder of AtriCure, Inc., a Delaware corporation,hereby acknowledges receipt of the Notice of Annual Meeting of Stockholders and Prox ted April 10, 2018, and hereby appoints Michael H. Carrel and M. Andrew Wade, or either of them, as proxy and attorney-in-fact, with fu n, on behair and in the name of the undersigned to represent the undersigned at the 2018 Annual Meeting of Stockholders of AtriCure, Inc. 1 2018 at 9:00 a.m. (EDT) at AtriCure's offices located at 7555 Innovation Way, Mason, Ohio 45040, and at any postponement or adjournmer all shares of common stock which the undersigned would be entitled to vote if then and there personally present, on the matters set forth o nd in their discretion with respect to such other business as may properly come before such Annual Meeting or at any postponement of f in accordance with and as described in the Notice and Proxy Statement for the Annual Meeting.
THIS PR	OXY WILL BE VOTED AS RECOMMENDED BY THE BOARD OF DIRECTORS UNLESS A CONTRARY CHOICE IS SPECIFIED.
	PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE.
Address o	change/comments:
(If	you noted any Address Changes and/or Comments above, please mark corresponding box on the reverse side.) (Continued and to be signed on reverse side)