

General Chair

Brion Keller – GlobalFoundries

Vice General Chair

Eugene Atwood – IBM

Program Chair

Tian Xia – Univ. of Vermont

Vice Program Chair

John Potter – GlobalFoundries

Tutorial Chair

Krishna Chakravadhanula – Cadence

Special Sessions Chair

Andy Laidler – ON Semiconductor

Panel Chair

Malinky Ghosh – GlobalFoundries

Finance & Registration Chair

Xinghao Chen – IEEE

Local Arrangements

Kelly Ockunzzi - GlobalFoundries

Ryan Patterson – GlobalFoundries

Publication Chair

Themistoklis Haniotakis – Southern Illinois U.

Publicity Chair

Danella Zhao – Old Dominion Univ.

Web Master

Charles Thangaraj - Roger Willams U.

Yu Zhang – Delphi Automotive

European Liaison

Patrick Girard – LIRMM, France

Program Committee

M. Brown – Mentor Graphics

Hari Chauhan – Analog Devices

D.C. Fang – Qualcomm

Q. Lin - Broadcom

I. Harris – UC Irvine

M. Hsiao – Virginia Tech.

N. Karimi – Rutgers Univ

S. Kundu – UMASS Amherst

X. Lin – Mentor Graphics

M. Maniatakos – NYU

E.J. Martinson – IMEC

N. Nicolici – McMaster Univ.

S. Reddy – University of Iowa

J. Roehr – Texas Instruments

V. Singh – IIT - Bombay

M. Slamani – GlobalFoundries

M. Sonza Reorda – Poli Torino

H.G. Stratigopoulos, CNRS/LIP6

P. Taatizadeh – Dialog Semi

M. Tehranipoor – U. of Florida

R. Tekumalla – Avago Tech

A. Veneris – U. of Toronto

X. Xiong – U. of Bridgeport

Y. Huang – Mentor Graphics

Z. Zilic – McGill Univ

Ujjwal Guin – Auburn U.

Steering Committee

Vishwani Agrawal – Auburn U.

Xinghao Chen – IEEE

Ted Cooley – Cooley & Company

Jennifer Dworak – SMU

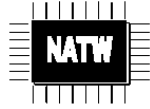
Martin Margala – UMASS Lowell

Karen Panetta – Tufts University

Paul Reuter – Mentor Graphics

Peilin Song – IBM

Bernadette Fernandes – Velco/GMS



*Call for Papers*

**27<sup>th</sup> North Atlantic Test Workshop**

**May 7-9, 2018**

**Essex Resort & Spa**

**Essex, Vermont**

<http://natw.ieee.org>

Sponsored by the

**IEEE-USA**

**IEEE Green Mountain Section**

**IEEE Region 1**

The IEEE North Atlantic Test Workshop provides a forum for discussions on the latest issues relating to high quality, economical, and efficient test methodologies and designs. The 27<sup>th</sup> NATW will feature a tutorial on Monday on the subject of verification. In addition to traditional topics, the 27<sup>th</sup> NATW will feature a general theme of “Silicon Photonics.” Major topics can include, but are not limited to:

- |                                   |   |
|-----------------------------------|---|
| Analog, Mixed Signal & RF Testing | DFM, Defect Analysis & Defect-Based Testing |
| Built-In Self-Test (BIST)         | Multi-Chip Module Testing                   |
| Board and Package Level Testing   | Memory & MEMS Testing                       |
| Delay & Performance Testing       | Nanotechnology Testing                      |
| Design Verification/Validation    | Online Testing                              |
| Diagnosis and Debug               | System-on-Chip (SOC) Test & Debug           |
| Fault Modeling/Simulation         | Test Quality/System Reliability             |
| FPGA & Embedded Core Testing      | Test Resource Partitioning                  |
| IDDDQ Testing                     | Testing for Soft Errors/Defects             |
| Machine Learning for Testing      |   |

The Program Committee invites authors to submit original, unpublished papers and panel proposals. Submissions may be in terms of extended summaries or full papers. Detailed instructions for submission can be found at the “*Author Information and Paper Submission*” link <http://natw.ieee.org>.

Papers found suitable for archival publication will be recommended by the program committee for submission to the “Journal of Electronic Testing: Theory and Applications (JETTA),” published by Springer. In addition, publication in IEEE Explorer is an option for authors who choose to do this.

**Jake Karrfalt Best Student Paper Award**

To encourage student participation in the testing research community, NATW has sessions dedicated to student presentations and includes a Best Student Paper Award.

**James Monzel Service Award:** The award is issued to individuals for dedicated service to NATW.

**Important Dates:** Submission – **03/02/2018** / Notification of acceptance – **04/6/2018**  
Submission of final papers – **04/25/2018** / Submission of PPT presentations – **05/2/2018**

**For general information, contact:**

Brion Keller  
GlobalFoundries  
Endicott, NY 13760  
Phone: 607-755-6296  
Email:  
[brion.keller@globalfoundries.com](mailto:brion.keller@globalfoundries.com)

**For program information, contact:**

Dr. Tian Xia  
University of Vermont  
33 Colchester Ave.  
Burlington, VT 05405  
Phone: 802-656-8996  
Email: [txia@uvm.edu](mailto:txia@uvm.edu)

Corporate/Academic Supporter packages available for 2018. Please see our website for more details. Corporate/Academic Supporters for 2017 included:

