26th IEEE European Test Symposium
Virtual Interactive Event
May 24 – 28, 2021, Belgium
www.ets2021.eu

General Chairs
Georges Gielen (BE), Michele Stucchi (BE)

General Vice Chairs
Salvador Manich (ES)
Rosa Rodríguez-Montañés (ES)

Program Chair
Elena-Ioana Vătăjelu (FR)

Program Vice Chair
Salvador Mir (FR)

Finance Chair
Ferenc Fodor (BE)

Topic Chairs
Alberto Bosio (FR), Stefano Di Carlo (IT),
Goerschwin Fey (DE), Martin Keim (US),
Erik Larsson (SE), Gildas Leger (ES),
Regis Leveugle (FR), Teresa McLaurin (US),
Mottaqiallah Taouil (NL)

Embedded Tutorials Chair
Hans Martin Von Staudt (DE)

Industry Sessions Chairs
Wim Dobbelaere (BE), Steve Sunter (US)

Special Sessions Chairs
Said Hamdioui (NL), Nele Mentens (BE)

Panel Chairs
Jeff Rearick (US), Mehdi Tahoori (DE)

Fringe Workshops Chairs
Erik Larsson (SE), Ilia Polian (DE),
Daniel Tille (DE)

Local-Arrangements Chair
Kristien Van Crombrugge (BE)

Virtual Conference Chairs
Stefano Di Carlo (IT), Lembit Jürimägi (EE)

Industrial-Relations Chairs
Hans Manhaeve(BE), Erik Jan Marinissen (BE)

Publication Chair
Mottaqiallah Taouil (NL)

Review Chair
Giorgio di Natale (FR)

PhD Forum Chairs
Liviu Miclea (RO), Ernesto Sanchez (IT)

Awards Chairs
Sybille Hellebrand (DE),
Matteo Sonza Reorda (IT)

Doctoral Thesis Award Chairs
Alberto Bosio (FR), Alessandro Savino (IT)

Publicity Chairs
Jhon Gomez (BE), Mehdi Tahoori (DE)

Web Chair
Nektar Xama (BE)

Test Spring School Program Chairs
Sybille Hellebrand (DE),
Haralampos Stratigopoulos (FR)

Test Spring School Local Chairs
Alicja Lesniewska (BE), Rafal Madgziak (BE)

Regional Liaisons
Krishnendu Chakrabarty (US) ,
Sameer Chillarige (IN), Junling Huang (CN),
Shi-Yu Huang (TW), Shuichi Kameyama (JP),
Huawei Li (CN), Nicola Nicolici (CA),
Sungju Park (KR), Paolo Rech (BR)

Steering Committee
Matteo Sonza Reorda (IT)-Chair, Lorena
Anghel (FR), Bernd Becker (DE), Rolf
Drechsler (DE), Giorgio Di Natale (FR),
Stephan Eggersglüß (DE), Joan Figueras
(ES), Georges Gielen (BE), Patrick Girard
(FR), Said Hamdioui (NL), Pete Harrod (UK),
Sybille Hellebrand (DE), Artur Jurman (EE),
Hans Manhaeve (BE), Erik Jan Marinissen
(BE), Maria K. Michael (CY), Liviu Miclea (RO),
Zebo Peng (SE), Jaan Raik (EE), Michel
Renovell (FR), Jochen Rivoir (DE),
Haralampos Stratigopoulos (FR), Michele
Stucchi (BE), Mehdi Tahoori (DE), Elena-Ioana
Vătăjelu (FR), Hans-Joachim Wunderlich (DE),
Yervant Zorian (US)

CALL FOR EMBEDDED TUTORIALS

The IEEE European Test Symposium (ETS) is Europe's premier forum dedicated to presenting and discussing scientific results, emerging ideas, hot topics, and new trends, industrial case-studies and applications, in the area of electronic-based circuits and system testing, reliability, safety, security and validation. The 2021 edition of ETS will be a virtual one. The organizing team will strive to keep the spirit of ETS alive, by organizing an event with live sessions and many opportunities for networking and peer interaction. ETS'21 is organized jointly by imec and KU Leuven, which co-sponsor the event together with the IEEE Council on Electronic Design Automation (CEDA).

The program includes keynotes, scientific paper presentations, panels, tutorials, workshops and highlights/demos from industry.

Besides regular technical papers, ETS'21 provides the opportunity of submitting scientific contributions for Embedded Tutorials, which should address an important and trendy topic that is of strong interest to the ETS participants. Each accepted tutorial will be given in a session of a one-hour time slot. Prospective organizers should submit a one or two-page abstract outlining the following:

➢ Session's scope and topic(s),
➢ The objectives and relevance of the proposed tutorial to ETS,
➢ A list of presenters and their biographies.

You are invited to participate and submit your contributions to ETS'21. The areas of interest include (but are not limited to) the following topics:

➢ Analog, Mixed-Signal and RF Test
➢ Approximate Circuit Testing
➢ ATE Hardware and Software
➢ Automatic Test Generation
➢ Automotive and Avionics Test
➢ Board Test and Diagnosis
➢ Built-In Self-Test
➢ Current-Based Test
➢ Defect-Based Test
➢ Delay and Performance Test
➢ Dependability and Functional Safety
➢ Design for Test
➢ DfX (Design for Manufacturing, Reliability, Yield, etc.)
➢ Diagnosis and Silicon Debug
➢ Economics of Test

➢ Failure Analysis
➢ Fault Modeling and Simulation
➢ Fault Tolerance
➢ Hardware Security
➢ Hardware Trust
➢ High-Speed I/0 Test
➢ Low-Power Test
➢ Machine Learning and AI for Test
➢ Memory Test and Repair
➢ Microsystems / MEMS / Sensors Test
➢ On-Line Test
➢ Power- / Thermal-Aware Test
➢ Processor Test (Multi-Core, GPU, CPU, Neuromorphic, etc.)
➢ Security Issues in Test

➢ Self-X (Awareness, Repair, Test, etc.)
➢ Signal Integrity Test
➢ SoC and NoC Test
➢ Stacked or 3D ICs Test
➢ Standards in Test
➢ Test of Reconfigurable Systems (FPGA, CPLD, etc.)
➢ Test, Reliability and Security of Emerging Technologies
➢ Test, Reliability and Security of Emerging Computing (Neuromorphic, In-Memory, Reversible and Quantum Circuits, etc.)
➢ Trojan Detection
➢ Verification and Validation
➢ Yield Analysis and Enhancement

Publications: ETS'21 will produce Formal Proceedings of scientific papers with ISBN number that will be included in the IEEE Xplore Digital Library. Upon acceptance, embedded tutorial presenters can prepare a single paper up to 10 pages for the entire session to be included in the formal proceedings.

Key Dates for Submissions:

Embedded Tutorial abstract:	January 29th, 2021
Notification of acceptance:	February 12th, 2021
Embedded Tutorial paper:	April 1st, 2021
Author registration:	March 15th, 2021

In preparations for ETS'21, the organizing team will work on finding the best conference format to ensure lively interactions and networking opportunities. Updated information will always be available on the ETS'21 website.

Further Information:

General Chairs

Georges Gielen,
KU Leuven
georges.gielen@kuleuven.be

Michele Stucchi,
imec
michele.stucchi@imec.be

Program Chair

Elena-Ioana Vătăjelu,
CNRS-TIMA Laboratory
ioana.vatajelu@univ-grenoble-alpes.fr

Technical Co-Sponsor