



IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems

October 19-21, 2020, ESA-ESRIN, Italy

General co-Chairs

Marco Ottavi

Università di Roma "Tor Vergata", IT
marco.ottavi@uniroma2.it

Gianluca Furano

European Space Agency, NL
gianluca.furano@esa.int

Program co-Chairs

Mihalis Psarakis

University of Piraeus, GR
mpsarak@unipi.gr

Luigi Dilillo

LIRMM, FR
luigi.dilillo@lirmm.fr

Special Session Chair

Prashant Joshi, Intel, USA

Finance Chair

Marco Rovatti, ESA, NL

Web/Publicity Chair

Luca Cassano, Politecnico di Milano, IT

Industrial Liaisons

Vilas Sridharan, AMD, USA

Publication Chair

Taniya Siddiqua, Microsoft, USA

Technical Program Committee

J. Abella, Universitat Politècnica de Catalunya, ES

L. Anghel, TIMA, FR

E. Bezerra, UFSC, BR

C. Bolchini, Politecnico di Milano, IT

L. Cassano, Politecnico di Milano, IT

G. Chapman, Simon Fraser University, CA

L. Dilillo, LIRMM, FR

S. Eggersglüß, Mentor Graphics, US

O. Ergin, TOBB University, TR

A. Evans, IROC Technologies, FR

D. Forte, University of Florida, US

G. Furano, European Space Agency, NL

G. Gambardella, Xilinx, IR

Z. Gao, Tianjin University, CH

D. Gizopoulos, University of Athens, GR

J. Han, University of Alberta, CA

D. Hely, Grenoble INP, FR

C. Huang, National Tsing Hua University, TW

H. Ichihara, Hiroshima City University, JP

X. Jian, Virginia Tech, US

P. Joshi, Intel, US

N. Karimi, University of Maryland, US

S. Khurshid, University of Liverpool, UK

B. Kruseman, NXP Semiconductors, NL

F. Lombardi, Northeastern University, US

J. Mathew, IITP, IN

D. Melo, University of Vale do Itajaí, BR

S. Menon, Intel, US

C. Metra, University of Bologna, IT

A. Menicucci, University of Delft, NL

M. Michael, University of Cyprus, CY

A. Miele, Politecnico di Milano, IT

M. Kermani, University of South Florida, US

P. Nair, University of British Columbia, CA

K. Namba, Chiba University, JP

G. Di Natale, CNRS-TIMA, FR

N. Nicolici, McMaster University, CA

C. Nicopoulos, University of Cyprus, CY

M. Olivieri, Sapienza Univ. of Rome, IT

M. Ottavi, University of Rome Tor Vergata, IT

I. Polian, University of Stuttgart, DE

M. Psarakis, University of Piraeus, GR

A. Rahmani, UC Irvine, US and TU Wien, AT

P. Rech, UFRGS, BR

P. Revriego, Universidad Carlos III de Madrid, ES

D. Rossi, University of Hertfordshire, UK

M. Rovatti, European Space Agency, NL

R. Shafik, School of EEE, Newcastle University, UK

M. Shafique, Vienna University of Technology, AT

T. Siddiqua, Microsoft, US

I. Sourdis, Chalmers University of Technology, SE

V. Sridharan, AMD, US

M. Taouil, Delft University of Technology, NL

A. Tavoularis, European Space Agency, NL

P. Teixeira, IST/INESC-ID, PT

N. Toubia, The University of Texas at Austin, US

S. Tragoudas, Southern Illinois University, US

B. Venu, ARM Ltd, UK

Q. Xu, The Chinese University of Hong Kong, HK

G. Yalcin, Abdullah Gul University, TR

T. Yoneda, Tokyo Institute of Technology, JP

Call for Special Session Proposals

Message re. COVID-19: In view of the unprecedented COVID-19 situation, the DFT 2020 organizing committee is still committed to preserve the event as scheduled, keeping in mind the importance of DFT symposium for the community. We encourage prospective contributors to submit their work to the symposium considering that it will take place normally. However, we are ready to put in place the following mitigation measures depending upon circumstances:

- relax attendee cancellation and refund policies.
- provide author(s) and keynote presenter(s), who are be impacted, options for virtual presentation.
- allow for publication despite the inability of authors to present their accepted paper.

The organizing committee will keep prospective authors updated for any of the above mitigation measures.

DFT 2020 seeks proposals for Special Sessions. The special sessions should aim at providing a complementary experience with respect to the regular sessions by focusing on hot and emerging topics of interest to the DFT community, as well as on multi-disciplinary topics, that are expected to have a significant impact on DFT activities in the future (e.g. reliability aspects in Approximate Computing, Quantum Computing, use of COTS Electronics for Space applications). A special session could consist of a set of individual presentations or a panel, possibly with experts from the industry.

Upon acceptance, special session presenters can prepare either a single paper for the entire session or one paper per presenter to be included in the formal proceedings. For this reason, papers (presenting original and unpublished contributions and that may be no longer than 6 pages) for special session will go through review process. For the single-session papers, it will be possible to purchase 2 extra pages at an additional cost. Accepted papers will appear in the formal proceedings of DFT 2020 symposium. Proceedings will be published by the IEEE Computer Society and will appear in the Digital Library.

Submission Process: Submitted proposals should include:

- a title of the special session
- a maximum 250-word abstract outlining the session's scope, topics and relevance for DFT symposium
- name, contact information and short biography of the organizer(s)
- format of the session: (1) panel or set of individual presentations, and (2) single paper per session or one paper per presenter
- list of three/four contributed presentations (including titles, presenter names, contact information of the corresponding presenter, and an abstract of each contribution). For panel proposals, list three to five panelists and their area of expertise.

Proposal submissions should be presented in a single PDF to be sent via e-mail to both Program Chairs:

- Prashant Joshi - prashant.d.joshi@intel.com
- email Object: DFT'20 Special Session Proposal

By means of their submission, **all presenters agree to register for and participate to DFT 2020**, in case their special session proposal is accepted.

Prospective authors should adhere to the following deadlines:

Special session proposal due:	April 24, 2020	May 8, 2020
Special session acceptance:	May 8, 2020	May 15, 2020
Special session paper submission:		June 5, 2020
Paper acceptance notification:		July 3, 2020
Camera ready and author's registration:		July 31, 2020

Sponsored by:

