



Roma - Italy, May 22nd - May 25th, 2018

<http://dtip-mems.org>

## Final Call for Papers

**General Chair**  
Pascal Nouet, LIRMM  
**Local Chair**  
Romolo Marcelli, IMM  
Roma  
**Publication Chair**  
Frédéric Mailly, LIRMM

### CONFERENCES

#### CAD, DESIGN AND TEST

*Chair:* Peter Schneider, Fraunhofer IIS/EAS, Dresden, Germany  
*Co-Chair:* Francis Presseccq, CNES, France

#### MICROFABRICATION, INTEGRATION AND PACKAGING

*Chair:* Stewart Smith, Univ. of Edinburgh, Scotland  
*Co-Chair:* Yoshio Mita, The University of Tokyo, Japan

### CAD, Design and Test Conference

**CAD:** Integrated CAD/CAE tools, languages and interchange of data, MEMS/MOEMS libraries and IP, Modelling and simulation of fabrication processes, Structured design methodologies, System-level design methodologies

**DESIGN:** Mechanical simulation, Model order reduction, Multi-physics & Multi-domain simulations, Numerical simulation, other design issues, Signal processing & Front-ends, Thermal evaluation

**TEST:** Failure mechanisms, Fault modelling, Fault simulation and test pattern generation, Yield estimation

**DEVICES & COMPONENTS:** RF MEMS, MOEMS, energy harvesting, bio and fluidics, Inertial and Resonant sensors, other sensors & actuators

### Micro-fabrication, Integration and Packaging Conference

**MICROFABRICATION:** assembly technologies, microlithography issues for MEMS/MOEMS, micromachining, micro-molding, nano-imprint, embossing, others

**INTEGRATION:** flexible technologies and printed electronics, co-integration between MEMS and electronics, 3D technologies

**PACKAGING:** MOEMS, RF and microwave, vacuum and other harsh environments, others

**MATERIALS:** piezoelectric, PDMS, others

**CHARACTERIZATION:** dimensional measurements, non-destructive evaluation, PCM & test structures, physical measurements, reliability and failure analysis

**DEVICES & COMPONENTS:** RF MEMS, MOEMS, energy harvesting, bio and fluidics, Inertial and Resonant sensors, other sensors & actuators

### INVITATION TO PARTICIPATE

DTIP'2018 will be the 20<sup>th</sup> edition of the Symposium on Design, Test, Integration & Packaging of MEMS and MOEMS. This unique single-meeting event brings together participants interested in Microsystems/MEMS/MOEMS processing and those interested in design tools and methods to facilitate the design of those micro-fabricated and multi-physics systems. All aspects including design, modeling, testing, micromachining, integration and packaging of structures, devices and systems are addressed in two parallel Conferences, Special Sessions and plenary Invited Talks. Papers presented at the conference will appear in IEEE Xplore and extended version of the presented papers may be submitted for inclusion in a special issue of an indexed journal.

We look forward to welcoming you in Roma.

**Romolo Marcelli & Pascal Nouet**

It's time to prepare your scientific contributions!

### Research paper submission

DTIP aims to present the latest research in "Design, Integration, Test and Packaging of MEMS and MOEMS". A program committee composed with international experts in their field will review all submitted papers. Even if abstracts of about 600 words will be considered, **it is recommended to submit extended abstracts (up to 1500 words) plus one page of figures** for efficient and fair scientific reviewing. Detailed instructions regarding electronic submissions are posted on the DTIP website.

*Note: Companies that want to advertise their products are discouraged to submit a research paper if there is no revelation of any scientific contribution or rupture with respect to the state-of-the-art. In that case, it is recommended to consider becoming a sponsor/exhibitor of the conference.*

### Special sessions

For those of you, who intend to propose a special session, feel free to propose a topic by email ([dtip@dtip-mems.org](mailto:dtip@dtip-mems.org)) at your earliest convenience. When proposing a special session, please mention how many submissions are expected. Special session organizers will be in charge of attracting papers, organizing the review and making the final selection with the support of the DTIP organization. The coupling of a special session with an invited talk is strongly recommended.

### Invited talks and panels

The symposium program will include three plenary sessions with invited talks and/or technical panels. Feel free to propose topics to be addressed and/or to nominate colleagues for an invited talk.

### Venue and important dates

The 2018's edition of DTIP will be held in the lovely and charming city of Roma, Italy, from May 22nd till May 25th. Important dates are:

**Paper Submission Deadline:** December 4th, 2017.

**Notification of Acceptance:** February 9th, 2018.

**Camera-ready Due and Early bird registration:** April 1st, 2018.

Detailed information on **Submission - Exhibition - Sponsoring - Advertising** at:

[HTTP://DTIP-MEMS.ORG/](http://DTIP-MEMS.ORG/)

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