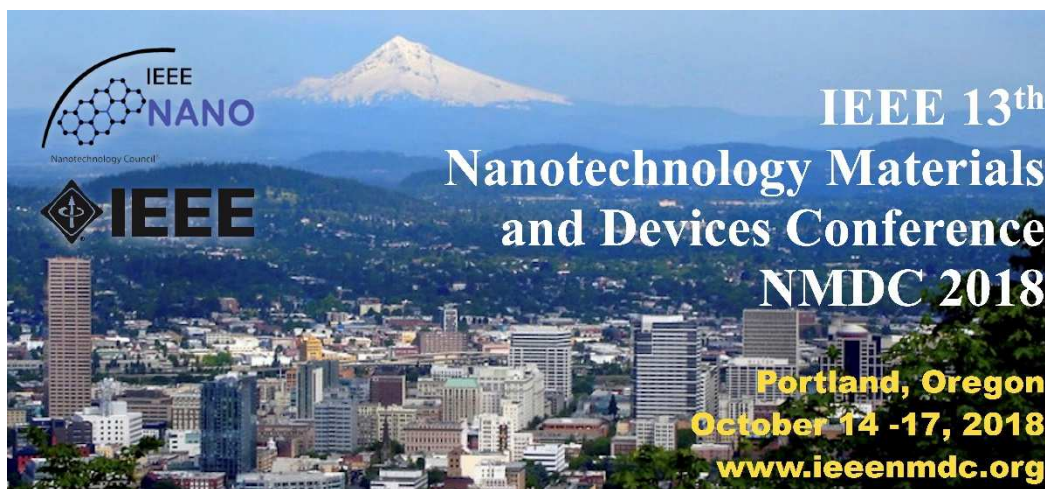


IEEE Nanotechnology Council Conference Update Spring 2018

Greetings,

In this Update:

- IEEE NMDC 2018 Call for Papers & Sessions
 - IEEE NANO 2018 Call for Workshops & Tutorials
 - MARSS 2018 Early Registration Deadline
 - 3rd IEEE International Conference on Rebooting Computing Call for Papers
 - 14th ACM/IEEE International Symposium on Nanoscale Architectures Call for Papers
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CALL for PAPERS

**The 2018 IEEE 13th Nano Materials & Devices Conference (NMDC 2018)
14-17 October 2018
Portland, Oregon, USA
www.ieeenmdc.org/2018**

IEEE NMDC 2018 will be held in Portland, Oregon, USA on 14-17 October, 2018 at the Embassy Suites Downtown hotel. NMDC is an annual conference sponsored by the IEEE Nanotechnology Council (NTC). The conference aims to develop critical assessment of existing work and future directions in nanotechnology research including nanomaterials and fabrications, nanoelectronics, nanophotonics, devices, and integration. This conference will bring together key researchers from every sector in the nanotechnology research field, with a special focus on materials and devices.

NMDC 2018 is soliciting **papers and sessions** on Materials and Devices for heterogeneous Nanoscience and Nanotechnology systems. Conference papers will be published in IEEE Xplore. Best paper awards will be given in several categories at the conference banquet. Authors of selected papers will be invited to submit their extended article version to: IEEE Transactions on Nanotechnology, and IEEE Nanotechnology Magazine.

The topics, arranged into tracks, include but are not limited to:

- Nanomaterials & nanodevices
- Properties, Fabrication and applications of nanomaterials, nanosensors and nanomagnetism
- Special Applications
- Nanotechnology, Nanostructures and Nanosystems
- Modeling and simulation of nano-materials, nanostructures and nanodevices
- Emerging topics related to nanomaterials, nanodevices and nanostructures
- Education in nanotechnology
- Special Sessions (requires detailed proposal, see website)

Download CFP PDF: <http://www.ieeenmdc.org/files/2018/02/CFP-NMDC2018-19-Feb.pdf>

Important Dates

Special Session proposals..... **May 1, 2018**
Short Abstract (100-200 words) submission... **May 30, 2018**
Full Papers submission:..... **June 11, 2018**
Notification of Acceptance:..... **July 25, 2018**
Final manuscript:..... **August 13, 2018**

We sincerely look forward to your participation in NMDC2018!

For instructions on Special Sessions proposals & paper submissions visit:

www.ieeenmdc.org/nmdc-2018/call-for-papers/authors-info/

For information on being a Patron or Exhibitor see www.ieeenmdc.org/nmdc-2018/sponsors-exhibits/

For more details on NMDC 2018 see www.ieeenmdc.org/nmdc-2018.



Call for Workshops & Tutorials at IEEE NANO 2018!
The 18th IEEE International Conference on Nanotechnology
| Cork, Ireland | 23-26 July 2018 |
www.ieeenano2018.org

We are now open to submissions for **workshops and tutorials** at Tyndall National Institute, to be held on Monday 23rd July 2018, in advance of **IEEE NANO 2018**. If you are interested in running a

workshop or tutorial in advance of IEEE NANO 2018 **please send a course outline and abstract**, along with any costings or logistical requirements to danny.denton@tyndall.ie.

Deadline for Early Registration: **10 May 2018**

MARSS

International Conference on Manipulation,
Automation and Robotics at Small Scales



Nagoya, Japan

July 4 – 8, 2018

Deadline for Early Bird registration is April 15, 2018 – three weeks away

The third International Conference on Manipulation, Automation and Robotics at Small Scales (MARSS [<http://marss-conference.org/>](http://marss-conference.org/)) is held from 04-08 July 2018 in Nagoya, Japan.

We cordially invite you to attend and contribute to the conference. The conference offers 5-6 keynote talks, 16-18 plenary talks and about 30 technical sessions (oral presentations only). The conference also features an on-site exhibition. MARSS2018 registration site [<https://gakkai-web.net/p/inter/marss_reg/new2.php>](https://gakkai-web.net/p/inter/marss_reg/new2.php) has just been open.

From 02-15 May, MARSS2018 will open the Call for Late News Papers (short papers ONLY, up to 3 pages). We will organize a fast-track peer-reviewing of the submitted Late News Papers. Authors will be notified of the status of their papers within a week after the submission.



**IEEE International Conference on Rebooting Computing
(ICRC 2018)**

7-9 November 2018 • Washington, DC, USA

The 3rd IEEE International Conference on Rebooting Computing (ICRC 2018) will be held held November 7-9 in Washington DC. ICRC is a premier venue for novel computing approaches, encompassing all aspects of the computing stack. The broad scope of ICRC extends to many areas of interest to Nanotechnology Council (NTC) members, including novel device physics and materials for post-CMOS computing paradigms. NTC members are encouraged to consider submitting their work on exploratory nanodevices, nanocircuits, and nanocomputing architectures to this vibrant interdisciplinary conference.

Call for Papers

3rd IEEE International Conference on Rebooting Computing
Part of IEEE Rebooting Computing Week 7-9 November 2018, Washington, DC.

<http://icrc.ieee.org/>

Important dates

Paper abstract submissions due: 30 April 2018 at 11:00pm EDT

Paper submissions due: 7 May 2018 at 11:00pm EDT

Author notification of acceptance: 8 August 2018



14th ACM/IEEE International Symposium on Nanoscale Architectures July 18-19 2018, Athens, GREECE <http://nanoarch.org/>

NANOARCH is the annual cross-disciplinary forum for the discussion of novel post-CMOS and advanced nanoscale CMOS directions. The 14th NANOARCH symposium aims to incorporate several exciting sessions on emerging computing paradigms (e.g., approximate, quantum, neuromorphic, molecular, spintronic), novel nano-based computing architectures, 2D materials (e.g., graphene) nanoelectronics and computing, beyond charge-based computing, emerging memory devices and in memory computing, nanoelectronics for biomedical systems, and to provide extended opportunities for interaction among the participants.

In addition to 6-page length Regular Papers, we also invite 2-page Concept Papers presenting less developed but radical and highly innovative work in the area of nanofabrication, nanocomputing, and emerging nanosystem application.

Important Dates:

Special Sessions Proposals/Acceptance: March 5/15, 2018;

Paper submission: April 5, 2018;

Acceptance notification: May 28, 2018;

Final version: June 11, 2017;

Early registration deadline: June 11, 2018.