

## TRON SYMPOSIUM

# 2018 TRON Symposium (TRONSHOW) Call for Papers

### Important Dates

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#### **Aug.**

Registration starts

#### **Sep. 6**

Final paper submission deadline

#### **Oct. 4**

Notification of Acceptance

#### **Nov. 8**

Final version deadline (for accepted papers)

Author's registration deadline

#### **Dec. 10**

Registration closes.

- [Registration \(In preparation\)](#)
- [VISA papers](#)

We are pleased to announce 2018 TRON Symposium, the 34<sup>th</sup> TRON SYMPOSIUM to be held on 12th - 13th of December 2018, in Tokyo, Japan. The Symposium, with technical co-sponsorship of IEEE Consumer Electronics Society, will feature presentation sessions of papers, poster sessions, panel discussions, tutorial sessions and an accompanying exhibition, TRONSHOW (12th-14th December.)

### Submission of Papers

Accepted and presented papers to the FULL track will be submitted to IEEE for inclusion in IEEE Xplore® online publication database. (Note: Papers presented at the SHORT track will not be submitted to IEEE Xplore.) Prospective authors in the embedded systems industry and the emerging field of the IoT are encouraged to submit full papers or extended abstract for presentation. Only original papers that have not been published or submitted for publication elsewhere will be considered. Papers presented at the Symposium should be full papers or extended abstract, in English of maximum 9 pages including figures and pictures, using [the supplied template](#). The minimum length is 2 pages for an extended abstract from

busy practitioners. See “Topics of Interest” at the end of this page, for relevant topics that are of interest to the Symposium per se, and the visitors to the accompanying exhibition.

To make it easy for the authors to check the appropriateness of their papers for the symposium, the excerpts of session programs for the past four [TRON Symposiums are uploaded](#). TPC will contact you for the appropriateness of the topics explained in the abstract.

2018 TRON Symposium (TRONSHOW) uses EDAS for reviewing papers.

Below, the procedure for registering your paper and final paper submission is explained.

**Step 0:**

If you are not registered in EDAS, please do so.

<http://edas.info>

**Step 1:**

Please register your paper (title, author, etc.) to 2018 TRON Symposium (TRONSHOW) at EDAS.

<http://edas.info/N25102>

**Step 2:**

Please input the abstract as plain text into the web submission form in step 1 during registering your paper.

Please finish the above step BEFORE the final submission of the final draft.

The authors are requested to upload the draft of final paper in the manner described above. If you have never used EDAS for submission before, please try uploading one week in advance so that any difficulties encountered will be resolved by the deadline. You can replace the submission until the deadline.

We look forward to your submissions.

If you have a question or noticed inappropriate/unhelpful messages when you interact with EDAS for submission of paper/abstract to 2018 TRON Symposium (EXHIBITION), please let us know.

**[tpc@tron.org](mailto:tpc@tron.org)**

**Technical Program Committee**

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(Please see the PDF versions of Call for Papers for names of all the TPC members.)

**Call for Papers, etc. are available for 2018 TRON Symposium (TRONSHOW).**

**Please visit <http://www.tronshow.org/index-e.html>**

For inquiries, please write to [tpc@tron.org](mailto:tpc@tron.org)

## **Topics of Interest**

Note that the topics are not limited to the following.

### **Embedded Systems**

- Home electronic appliances
- Intelligent Houses, Intelligent Buildings, and Intelligent Cities
- Intelligent Mobility (automotive, construction machinery)
- Power-aware computing and energy harvesting
- Smart-grid application
- Intra-system and inter-systems electromagnetic compatibility
- Human Machine Interface for embedded systems
- Security of embedded devices
- Functional safety, fault tolerance
- Real-time OS development and application
- Embedded systems software and optimization
- Hardware/Software co-design of embedded systems
- Embedded systems design automation
- ASICs and FPGAs
- System/Network-on-chip
- The use and development of RTOS and the middleware
- Comparative study of RTOSs including TRON RTOS Family

- Theory and practice of embedded systems education/training

## **IoT**

- USN (Ubiquitous Sensor Network)
- M2M communications
- Cyber Physical Systems (CPS)
- Computer-Augmented Environment
- IoT architectures
- IoT infrastructures
- IoT applications and IoT services
- IoT architectures and application frameworks (uID architecture, SmartM3, etc.)
- Implementation of servers for uID Architecture (1.0, 2.0), ucode, etc.
- RFID tags, ucode tags, etc.
- Location-based Information Systems
- Theory and practice of building real-world IoT application systems
- Cloud computing
- Open Data, Big Data processing for the IoT
- IoT security
- Aggregate computing

## **General**

- Assistive technology (such as Enableware)
- Impact of technology on society
- Security and privacy
- Standardization efforts, and governance of the IoT