



The 24th IFIP  
World  
Computer  
Congress  
September 17-21, 2018  
Poznan, Poland



## Call for Papers – version 2

### First cross-domain IFIP Internet of Things (IoT) Conference

**18-20 September 2018**

IoT is hot. Experts and organizations are addressing the topic in policy statements, papers and conferences. There are many aspects to be looked at when talking about IoT. Earlier developments were quite focused on the lower level aspects such as interfacing, communication protocols and standards, base platforms, energy efficiency and energy harvesting, smart devices and smart sensors, etc. With the exponential growth of the number of devices and sensors connected to Internet and their increasing levels of embedded intelligence, other relevant challenges emerge, including organizational structures, collaborative cyber-physical ecosystems, end-user development, self-organizing systems, distributed decision making, collective adaptive and cognitive systems, behavioural models, systems resilience, handling big data, etc. The IFIP Internet of Things (IoT) Conference as part of the IFIP WCC 2018 addresses this wide variety of aspects. Papers will show technical advancements, research on major questions, policy issues, practical implementation issues and so on.

Perspectives will be from the people and organizations involved (users, ICT professionals, user organizations, ICT industry, authorities / regulators) but also from the phase of an IoT system or component (development, production / manufacturing, implementation, maintenance, management, use).

We invite you to submit papers to this conference. We also welcome proposals for special sessions.

#### Main topics of interest (non-exhaustive list)

- IoT networks
- IoT architectures

- IoT devices
- IoT Low Power Design
- CAD for IoT
- Legal issues (incl. liability)
- Ethical issues
- Education, training, awareness
- End-User Development
- Usability and accessibility
- Context-dependent applications
- Environmental issues
- Organizational and collaborative structures
- Risks, Privacy, Security, and Resilience issues
- Impact on persons and society
- Novel applications and business models
- Professionalism / duty of care
- Internet of ..... (Everything, People, Health, ....)
- General technical issues and challenges
- Etc.

## Submission Guidelines

Submitted papers must be original, unpublished, and not submitted to another conference or journal for consideration. Accepted papers will be presented at the conference and included in the conference proceedings published in the IFIP Advances in Information and Communication Technology (AICT) series by Springer Science and Business Media.

All papers must be written in English. Submissions should be at most 16 pages long in total including references and appendices. Submissions should not be anonymized. Program Committee members are not required to read the appendices, so the paper should be intelligible without them.

Authors must follow the [Springer formatting instructions](#). Each paper will receive at least 3 reviews. At least one author of each accepted paper must register by the early registration date indicated on the conference website and present the paper.

For paper submissions go to <https://easychair.org/conferences/?conf=ifipiot2018>

Proposals for special sessions should be sent to: [Strous@iae.nl](mailto:Strous@iae.nl)

## Important dates

- Submission due: 15 March 2018

- Notification of acceptance: 15 May 2018
- Deadline for final version: 15 June 2018

## Program Co-Chairs

|        |        |                       |             |
|--------|--------|-----------------------|-------------|
| Leon   | Strous | De Nederlandsche Bank | Netherlands |
| Vinton | Cerf   | Google                | USA         |

## Program Committee

|            |                  |  |             |
|------------|------------------|--|-------------|
| José       | Abdelnour-Nocera | University of West London  | UK          |
| Hamideh    | Afsarmanesh      | University of Amsterdam  | Netherlands |
| Carmelo    | Ardito           | Università degli Studi di Bari Aldo Moro                         | Italy       |
| Ioannis    | Askoxylakis      | FORTH-ICS  | Greece      |
| Soumya     | Banerjee         | Birla Institute of Technology, Mesra                             | India       |
| Ezio       | Bartocci         | Vienna University of Technology                                  | Austria     |
| Juergen    | Becker           | Karlsruhe Institute of Technology, Karlsruhe                     | Germany     |
| Samia      | Bouzefrane       | CEDRIC, Conservatoire National des Arts et Métier                | France      |
| Luis       | Camarinha-Matos  | Nova University of Lisbon  | Portugal    |
| Augusto    | Casaca           | INESC-ID   | Portugal    |
| Tibor      | Cinkler          | Budapest University of Technology and Economics                  | Hungary     |
| Luc        | Claessen         | University of Hasselt  | Belgium     |
| Lucio      | Davide Spano     | University of Cagliari   | Italy       |
| Ibrahim M. | Elfadel          | Masdar Institute at Khalifa University of Science and Technology | UAE         |
| Gordon     | Fletcher         | University of Salford  | UK          |

|              |               |   |           |
|--------------|---------------|---|-----------|
| Miria        | Grisot        | University of Oslo                              | Norway    |
| Gerhard      | Hancke        | City University of Hong Kong                    | Hong Kong |
| Michael      | Huebner       | Ruhr University of Bochum                       | Germany   |
| Katrin       | Jonsson       | Umeå University                                 | Sweden    |
| Joaquim      | Jorge         | INESC-ID / IST / Univ de Lisboa                 | Portugal  |
| Srinivas     | Katkoori      | University of South Florida, Tampa              | USA       |
| Bouabdellah  | Kechar        | University of Oran 1 Ahmed Ben Bella            | Algeria   |
| Arianit      | Kurti         | RISE Interactive, Research Institutes of Sweden | Sweden    |
| Maryline     | Laurent       | Telecom SudParis                                | France    |
| Antonio      | Maña          | University of Malaga                            | Spain     |
| Tiziana      | Margarita     | University of Limerick                          | Ireland   |
| Konstantinos | Markantonakis | Royal Holloway University of London             | UK        |
| Peter        | Marwedel      | Technical University Dortmund                   | Germany   |
| Maristella   | Matera        | Politecnico di Milano                           | Italy     |
| Christina    | Mörtberg      | Linnaeus University                             | Sweden    |
| Raja         | Naeem Akram   | ISG-SCC, Royal Holloway University of London    | UK        |
| Maciej       | Ogorzalek     | Jagiellonian University, Kraków                 | Poland    |
| Fabio        | Paterno       | CNR-ISTI  | Italy     |
| Rasmus       | Pedersen      | Copenhagen Business School                      | Denmark   |
| Simon        | Perrault      | Yale-NUS College                                | Singapore |
| Joachim      | Posegga       | University of Passau                            | Germany   |
| Ricardo      | Rabelo        | Federal University of Santa Catarina            | Brazil    |
| Franz        | Rammig        | University of Paderborn                         | Germany   |
| Kai          | Rannenber     | Goethe University Frankfurt                     | Germany   |
| Delphine     | Reinhardt     | University of Bonn, Fraunhofer FKIE             | Germany   |
| Ricardo      | Reis          | Universidade Federal do Rio Grande do Sul       | Brazil    |
| Carmen       | Santoro       | CNR-ISTI  | Italy     |
| Damien       | Sauveron      | University of Limoges                           | France    |

|                |            |  |              |
|----------------|------------|--|--------------|
| Weiming        | Shen       | National Research Center                                   | Canada       |
| Basie          | Solms, Von | University of Johannesburg                                 | South Africa |
| Dimitrios      | Soudris    | National Technical University of Athens                    | Greece       |
| José<br>Neuman | Souza, De  | Federal University of Ceará                                | Brazil       |
| Jean-Yves      | Tigli      | Université Nice Sophia Antipolis                           | France       |
| Chi Ying       | Tsui       | Hong Kong University of Science and<br>Technology, Kowloon | Hong Kong    |
| Fatih          | Ugurdag    | Ozyegin University, Istanbul                               | Turkey       |
| Eugenio        | Villar     | University of Cantabria                                    | Spain        |
| Janet          | Wesson     | Nelson Mandela University                                  | South Africa |
| Marco          | Winckler   | Université Nice Sophia Antipolis                           | France       |

(the list may be expanded with additional program committee members)

For more information visit the congress website <http://wcc2018.org> (alternatively <http://wcc2018.put.poznan.pl>) or feel free to contact Leon Strous at [strous@iae.nl](mailto:strous@iae.nl)