IFAC TC Award for Outstanding Achievement in Social Computing and Cyber Physical Social Systems
Call for Nominations 2023

We would like to invite you to nominate a distinguished researcher for the prestigious IFAC TC Award for Outstanding Achievement in Social Computing and Cyber Physical Social Systems. The following is a description of this award.

1. **Name of Award: IFAC TC Award for Outstanding Achievement in Social Computing and Cyber Physical Social Systems**

In recent years, powered by the rapid development of Internet, the penetration of the Internet of Things, the emergence of big data, and the rise of social media (including meta-verse), more and more complex systems are exhibiting the characteristics of social, physical, and information fusion. Such systems are called Cyber-Physical-Social Systems (CPSS) or Cyber-Physical-Human Systems (CPHS). As CPSS involve human and social factors, the design, analysis, management, control, and integration of CPSS are facing unprecedented challenges. The field of social computing has exploded in prominence over the past decade, with thousands of papers published using observational data, experimental designs, and large-scale simulations that were once unfeasible or unavailable to researchers. These studies have greatly improved our understanding of important phenomena, ranging from social inequality to the spread of infectious diseases.

Although the research on these topics is very important, there is no award at present to recognize people who have made outstanding research contributions in this field. In order to further promote research works and applications of CPSS and Social Computing, we suggest to establish the IFAC TC Award for Outstanding Achievement in Social Computing and CPSS.

The establishment of this award can inspire researchers in the field, especially young scientists, and promote the study of key challenges in the field. At the same time, this award can enhance the IFAC leadership and influence in those fields. Furthermore, this award can help the technological achievements in the field to gain attention from the society, and promote positive feedback between scientific research and practical applications.

2. Selection Criteria

Anyone who has participated in any IFAC activities is eligible except the current TC Chair and Vice Chairs who are not eligible. Members of the TC Award Selection Committee cannot act as nominator, nominee or reference of the TC Award.

The Researcher Award is given to individuals who have made a significant contribution to Social Computing and CPSS. This contribution could be a long-term research contribution to the subject,

a cumulative contribution or a single, particularly insightful idea, experiment, application, or interpretation.

The selection committee will consider the following criteria in selecting the recipient:
1. The originality and quality of the research, scholarly or creative activities.
   2. The impact of the research, scholarly or creative activities.
3. The recognition and visibility brought to the IFAC TC 9.1 by the research, scholarly or creative activities.

3. Nomination Process

A nomination has to be made by a nominator who is responsible for the information provided about the candidate. Self-nominations are not allowed.

Nominations should contain all the material that the committee will have to evaluate. Only nominations including the full nomination packages, received before the published deadline, will be taken into account.

The **nomination package** should include
- a **biographical sketch** of the nominee (around 300 words)
- the **nomination form**, which should detail how the nominee meets the following **selection criteria** for the TC award by means of the description of his/her career-long main contributions in the area of social computing and CPSS research. In addition to highlighting the nominee's contributions, the document *must include a proposed citation* that may be used on the award certificate given to the nominee, if the nominee is awarded. A template nomination of less than 3 pages will be created.
- **at least one, and no more than three, signed supporting letters** requested by the nominator.

The nomination package may include also additional supporting material, for no more than two additional pages. All submissions should be sent via e-mail as a single PDF file containing all required information.

4. Award Presentation

This award will be administrated and promulgated every two years and only one winner will be selected each time.

The awardee will be recognized during the International Conference on Cyber-physical Social Intelligence (ICCSI).

Please send your nomination package to ifaccpssaward@qaii.ac.cn by 15th April, 2023.

Thank you and best regards!

IFAC TC 9.1 Award Committee