Call for Nominations for Associate Editors of IEEE Systems Journal

Overview

The IEEE Communication Society (ComSoc) Technical Committee on Green Communications and Computing (TCGCC) invites nominations for ***two (2) Associate Editor Positions*** for the IEEE Systems Journal. IEEE Systems Journal is the flagship journal of the IEEE Systems Council, focusing on the system-level research. The collaboration between IEEE ComSoc TCGCC and IEEE Systems Journal will have mutual benefits for both entities. IEEE Systems Journal is ranked in **JCR Q1**.
Please refer to: https://ieeesystemsjournal.org/

The Scope of IEEE Systems Journal

This journal is created to provide a systems-level focused forum for application-oriented manuscripts that address complex systems and system-of-systems of national and global significance. It is intended to encourage and facilitate cooperation and interaction among IEEE societies, and other professional societies, with systems-level and systems engineering interest.

The journal is intended to stimulate awareness, appreciation and utilization of systems thinking and the supporting systems engineering disciplines, especially for complex systems, systems-of-systems, complex cyberphysical systems, and complex smart systems, across many domains and application areas. Attention will be directed to theory, technology, design methodology, management, applications, successful lessons, impact in the real life, and social implications. In particular, but not only, themes that will be addressed include architectures, complexity, dynamics, integration, interoperability, adaptability, completeness, effectiveness, modeling, analysis, simulation, development tools and environments, engineering, science, mission assurance, regulatory compliance, robustness, reliability, availability, safety, maintainability, quality, risk management, interaction, usability, human factors, privacy, deployment, management, operations, communications, security, standards, applications, ethics, and education. Typical domains encompass, but not limited to: autonomous vehicles and systems, disaster response, energy, environmental monitoring and control, exploratory exploration (space, terrestrial, underwater), global Earth observation and prediction, Earth science, biological systems, biotechnological systems, infrastructure monitoring and control, manufacturing systems, automation, cyber-physical systems, human health and life science, medical systems, transportation systems, logistics, service systems,
decision support systems, management of large-scale systems, national defense and security, information and computer systems, cyberspace, internet, distributed networks, information systems security, privacy, educational systems, social and political systems, banking and trading systems, and socio-economic systems.

Interdisciplinarity is increasingly interesting due to its relevance in the modern and future complex systems, including aspects in engineering areas as well as in biology, chemistry, physics, material sciences, mathematics, life science, physiology, psychology, sociology, law, ethics, management, economy, finance, and many others. This publication fills therefore a void un-addressed by most other journals, both within IEEE and outside, aiming to serve the broad community interested in this area, encompassing researchers, professionals, industry, government employees, and students worldwide.

Relevance to TCGCC

Studying communications and computing problems from system point of view is becoming more and more important. In particular, energy consumption in the future wireless communications systems (e.g., 5G beyond and 6G) should be analyzed and evaluated in a real and large-scale system, which has been largely ignored in the literature. Green computing in data center is also crucial to provide low PUE and hence reduce energy consumption. In some cases, data centers are placed under sea or Nordic areas to reduce energy consumption. In addition, the emerging AI approaches are able to provide powerful tools to closely monitor a system and evaluate its performance. It is noteworthy that "system" here is not limited to traditional radio systems or data center. It can represent any communications system as well as Internet-of-Things (IoT) system, including Internet, Intelligent Transport Systems, UAV, Blockchain, and Edge Computing systems. All these topics are well covered in TCGCC and hence can provide valuable input for IEEE Systems Journal.

Nominee

The nominee must be a member in good standing of the IEEE ComSoc TCGCC. Desirable qualities include: solid technical accomplishments, integrity and ethical standards. The duties include interaction with authors, initiating and monitoring the review process to its completion, ensuring that the journal follows the IEEE Policy and Procedures, maintaining the intellectual integrity and timeliness of the journal. The standard term of an editor is three years and may be renewed for another three years.

Nominations must include:

- Name of candidate and nominator (self-nominations are acceptable).
- A brief biography of the nominee of no more than one page with: (i) relevant research activities that are directly aligned with the scope of the journal; and (ii) the contributions/involvement in TCGCC
- The candidate's 2-page CV with relevant publication lists, editorial and review activities, and a list of up to 6-8 keywords that the candidate can handle for IEEE Systems Journal
- The elements of the nomination package should be combined as a single PDF file with the nominee's CV appended at the end

Nomination submission

Submission: nominations should be sent to the TCGCC Secretary Dr. Kai Yang (yangkai@ieee.org) and copied TCGCC Chair Dr. Yan Zhang (yanzhang@ieee.org)
Deadline: August 15, 2021

Selection

We will conduct a voting process in the selection committee and then select up to two (2) candidates per the above requirements. TCGCC will send the selected candidates to the Editor-in-Chief (EiC) of the IEEE Systems Journal and the EiC will make the final decision.