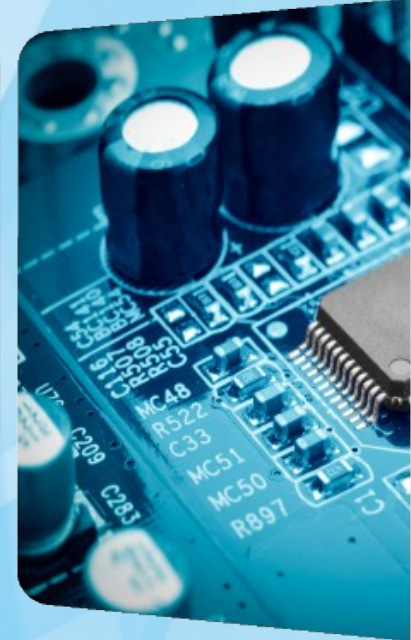
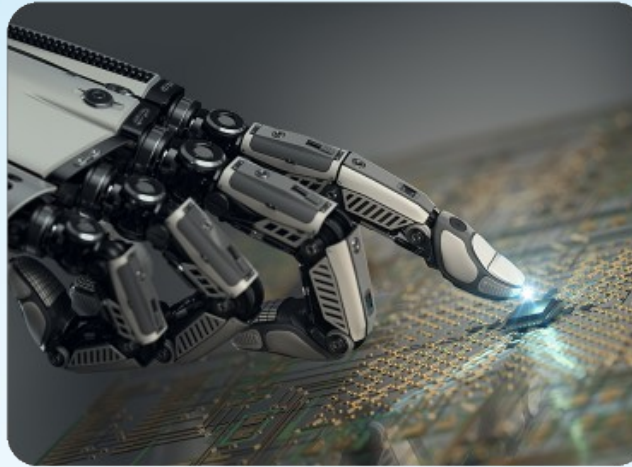


Systems, Man, and Cybernetics Society



Awards 2024

SMC 2024, Kuching, Malaysia



Awards

The Systems, Man, and Cybernetics Society recognizes outstanding members and volunteers and their significant achievements by the presentation of a number of awards.

The awards are intended for SMC Society members, volunteers, and outstanding contributors having substantial involvement with the SMC Society, its fields of interest, publications, conferences, and other activities.

The most prestigious SMC Awards

- ❖ **IEEE SMC Lotfi A. Zadeh Pioneer Award**
- ❖ **IEEE Norbert Wiener Award**
- ❖ **IEEE Joseph G. Wohl Outstanding Career Award**



IEEE SMC Lotfi A. Zadeh Pioneer Award

To honor a person or persons with outstanding and pioneering contributions to academic and/or industrial research in systems science and engineering, human-machine systems, and/or cybernetics. (*Established in 2014*)

Prize

\$5,000 and a Plaque. Up to two (2) awards made annually. Multiple recipients will each receive a Plaque and equally share the award prize.

IEEE SMC Lotfi A. Zadeh Pioneer Award Recipient 2024



Fei-Yue Wang

For pioneering contributions in fuzzy logic/reasoning based intelligent systems with groundbreaking applications in parallel driving/testing and Intelligent Transportation



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Lotfi A. Zadeh Pioneer Award Multiple Recipient 2024



Keith W. Hipel, Liping Fang, D. Marc Kilgour

For developing the innovative Graph Model for Conflict Resolution (GMCR) methodology to understand and resolve complex real-world Systems-of-Systems strategic problems



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Lotfi A. Zadeh Pioneer Award Multiple Recipient 2024



Keith W. Hipel, **Liping Fang**, D. Marc Kilgour

For developing the innovative Graph Model for Conflict Resolution (GMCR) methodology to understand and resolve complex real-world Systems-of-Systems strategic problems



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Lotfi A. Zadeh Pioneer Award Multiple Recipient 2024



Keith W. Hipel, Liping Fang, **D. Marc Kilgour**

For developing the innovative Graph Model for Conflict Resolution (GMCR) methodology to understand and resolve complex real-world Systems-of-Systems strategic problems



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Norbert Wiener Award

To recognize significant contributions to research in systems science and engineering, human-machine systems, and/or cybernetics

Prize

\$2,500 and a plaque.

IEEE Norbert Wiener Award



Peng Shi

For outstanding and sustained contributions to systems and control theory with applications to complex dynamical systems



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



Joseph G. Wohl Outstanding Career Award

To recognize outstanding professional service and/or contributions to systems engineering concepts, methodology, design, education, or management. (*Established in 1991*)

Prize

\$2,500 and a Plaque. Travel expense reimbursement for recipient to attend the IEEE International Conference on Systems, Man, and Cybernetics for presentation of the award.



SMC 2024,
Kuching



Joseph G. Worn Outstanding Career Award



Edward Tunstel

For long-term contributions to the IEEE Systems, Man, and Cybernetics Society



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Outstanding Contribution Award

To recognize significant contributions and outstanding service to the IEEE Systems, Man, and Cybernetics Society.

Prize
Plaque.



SMC 2024,
Kuching



IEEE Outstanding Contribution Award



Ming Hou

For outstanding
contribution serving as the
General Chair of the 4th
IEEE International
Conference on Human-
Machine Systems in 2024



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Outstanding Contribution Award



Adrian Stoica

For outstanding
contribution serving as the
General Chair of SMC 2023



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Outstanding Contribution Award



Ferat Sahin

For outstanding
contribution serving as the
General Co-Chair of SMC
2023



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Outstanding Contribution Award



Philip Chen

For significant contributions and outstanding service to the IEEE Systems, Man, and Cybernetics Society



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Outstanding Contribution Award



Ying (Gina) Tang

For outstanding
contribution serving as Vice
President Finance, 2021-
2024



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Early Career Award

To recognize outstanding scientists or engineers who, early in their career, contributed to major advancements of theory, technologies, and/or applications of systems science & engineering, human-machine systems, and/or cybernetics. (*Established in 2014*)

Prize

\$1,000 and a Plaque.



SMC 2024,
Kuching



IEEE SMC Early Career Award



Huadong Mo

For significant contribution to the theory and industrial applications of resilient systems engineering



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Meritorious Service Award

To recognize meritorious and significant service to any SMC Society-sponsored activity. (*Established in 2014*)

Prize
Certificate.



SMC 2024,
Kuching



IEEE SMC Meritorious Service Award

Yo-Ping Huang



For meritorious and significant service leading IEEE SMC Society conferences and meetings activities, and educating talent students to industry



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Andrew P. Sage Best Transactions Paper Award - SYS

To recognize the authors of the best paper published annually in the four Transactions sponsored by IEEE SMC Society: (1) IEEE Transactions on Systems, Man, and Cybernetics-Systems; (2) IEEE Transactions on Cybernetics; (3) IEEE Transactions on Human-Machine Systems; (4) IEEE Transactions on Computational Social Systems.

4 awards are given annually for the Best Paper, one award for each SMCS-sponsored Transactions.

Each of the 4 awards can have multiple recipients who are the coauthors of the Best Paper in the Transactions. The award, limited to \$2,500 per paper for each Transactions, is equally split among co-authors and cannot exceed \$500 per author, with a total of maximum \$10,000 award amount for the 4 Transactions. A Plaque is provided for each coauthor

IEEE Andrew P. Sage Best Transactions Paper Award - SYS

- ▶ **X. Li**
- ▶ **H. Shao**
- ▶ **S. Lu**
- ▶ **J. Xiang**
- ▶ **B. Cai**

For the paper X. Li, H. Shao, S. Lu, J. Xiang, B. Cai (2022)

Highly efficient fault diagnosis of rotating machinery under time-varying speeds using LSISMM and small infrared thermal images.

IEEE TSMC-Systems, 52(12): 7328-7340, December 2022.

IEEE Andrew P. Sage Best Transactions Paper Award - HMS

- ▶ Yu Gu
- ▶ Xiang Zhang
- ▶ Yantong Wang
- ▶ Meng Wang
- ▶ Huan Yan
- ▶ Yusheng Ji
- ▶ Zhi Liu
- ▶ Jianhua Li
- ▶ Mianxiong Dong

For the paper Yu Gu, Xiang Zhang, Yantong Wang, Meng Wang, Huan Yan, Yusheng Ji, Zhi Liu Jianhua Li, and Mianxiong Dong

WiGRUNT: WiFi-enabled gesture recognition using dual-attention network," in IEEE Transactions on Human-Machine Systems, vol. 52, no. 4, pp. 736–746, Aug. 2022

IEEE Andrew P. Sage Best Transactions Paper Award - CYB

- ▶ **Huijun Gao**
- ▶ **Zhengkai Li**
- ▶ **Xinghu Yu**
- ▶ **Jianbin Qiu**

For the paper Huijun Gao, Zhengkai Li, Xinghu Yu and Jianbin Qiu,
“**Hierarchical multiobjective heuristic for PCB assembly optimization in a beam-head surface mounter,**”
IEEE Transactions on Cybernetics, vol. 52, no. 7, pp. 6911-6924, July 2022

IEEE Andrew P. Sage Best Transactions Paper Award - CSS

- ▶ **Yixian Wang**
- ▶ **Zhaowei Liu**
- ▶ **Jindong Xu**
- ▶ **Weiqing Yan**

For the paper Wang, Y., Liu, Z., Xu, J., & Yan, W. (2022).

Heterogeneous network representation learning approach for ethereum identity identification.
IEEE Transactions on Computational Social Systems, 10(3), 890-899, June 2023.

IEEE Best Associate Editor Award

To recognize the best Associate Editor of the SMC Transactions. At most one Associate Editor will be chosen from each of the SMC Society's Transactions. (*Established in 2007*)

Prize
Plaque.



SMC 2024,
Kuching



IEEE SMC Best Associate Editor Award - SYS



Tsan-Ming (Jason) Choi

For the Sustained Outstanding
Service as Associate Editor of
the IEEE Transactions on
Systems, Man, and
Cybernetics-Systems



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Best Associate Editor Award - HMS



Xiaogang Hu

For the sustained
outstanding service as
Associate Editor of the IEEE
Transactions on Human
Machine Systems



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Best Associate Editor Award - CSS



S. P. Raja

For the Sustained
Outstanding Service as
Associate Editor of the IEEE
Transactions on
Computational Social Systems



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Best Associate Editor Award - CSS



Saeid Nahavandi

For the Sustained
Outstanding Service as
Associate Editor of the IEEE
Transactions on Cybernetics



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE Most Active SMC Technical Committee Award

To recognize the most active SMC Technical Committee. Up to three awards per year with a maximum of one Technical Committee each chosen from Cybernetics, Human-Machine Systems, and Systems Science and Engineering. (*Established in 2007*)

Prize

\$1,000 for use in Technical Committee activities and a Plaque.

IEEE Most Active SMC Technical Committee Award - SYS

- ▶ **Chun Sing Lai**
- ▶ **Loi Lei Lai**

**Intelligent Power and
Energy Systems (IPES)**

For outstanding technical
activities

IEEE Most Active SMC Technical Committee Award - HMS

- ▶ **Mingcong Deng**
- ▶ **Ni-Bin Chang**
- ▶ **Keith W. Hipel**
- ▶ **Said Mammarr**

**Environmental
Sensing, Networking
and Decision-Making
(ESND)**

For outstanding technical
activities

IEEE Most Active SMC Technical Committee Award - CYB

- ▶ **Ngoc Thanh Nguyen**
- ▶ **Costin Badica**
- ▶ **David Camacho**

**Computational
Collective Intelligence**

For outstanding technical
activities



IEEE Outstanding SMC Chapter Award

To recognize the best SMC Chapter that has consistently shown outstanding leadership and service to its members. Up to three awards with at most one Chapter chosen from Regions 1-7 and 9, at most one Chapter chosen from Region 8, and at most one Chapter chosen from Region 10.
(Established in 2007)

Prize

\$1,000 to be used for Chapter activities and a Plaque.



SMC 2024,
Kuching



IEEE Outstanding SMC Chapter Award

► **Yan Wu**

**SMC Singapore
Chapter**

For high number of
outstanding technical
activities

IEEE Outstanding SMC Student Branch Chapter Award

To recognize the SMC Student Branch Chapter that has consistently shown outstanding leadership and service to its members.

Prize

\$500 to be used for Student Branch Chapter activities and a plaque for display by the chapter.

IEEE Outstanding SMC Student Branch Chapter Award

► **Muzammil Ahmed**

**Advisor Muffakhamjah
College of Engineering
& Tech Student Branch
Chapter**

For high number of
outstanding technical
activities

IEEE Franklin V. Taylor Memorial Award

To recognize the best oral presentation and paper at the IEEE Systems, Man, and Cybernetics Society Conference.

Prize

\$500 and a plaque.

IEEE Franklin V. Taylor Memorial Award

- ▶ **Hikaru Nakgawa**
- ▶ **Shoichi Hasegawa**
- ▶ **Yoshinobi Hagiwara**
- ▶ **Akira Taniguchi**
- ▶ **Tadahiro Taniguchi**

For the paper

Pointing Frame
Estimation with Audio-
Visual Time Series Data
for Daily Life Service
Robots

IEEE SMC Best Student Paper Award

To recognize the best oral presentation and paper by a student at the IEEE Systems, Man, and Cybernetics Society Conference. (*Established in 1998*)

Prize

\$500 and a Plaque. The honorarium is split among multiple student coauthors who also receive a Plaque and a ticket to attend the Awards Banquet at the IEEE International Conference on Systems, Man, and Cybernetics.



SMC 2024,
Kuching



IEEE SMC Best Student Paper Award

- ▶ **Ali Rospawan**
- ▶ **Ching-Chih Tsai**

For the paper

Recurrent Polynomial-Based FBLS for Adaptive Predictive PID Control of Nonlinear Discrete-Time Systems: Comparative Studies on Control Performance and Time Complexity



IEEE
SMC
Systems, Man, and Cybernetics Society

SMC 2024,
Kuching



IEEE SMC Certificate of Appreciation

The President may recommend that the IEEE issue Certificates of Appreciation for outstanding service.

**Prize
Certificate**

IEEE SMC Certificate of Appreciation

► **Ning Sun**

For Outstanding
Associate Editor service to
the IEEE Transactions on
Systems, Man, and
Cybernetics: Systems.

IEEE SMC Certificate of Appreciation

► **Mohammad
Mehdi Arefi**

For Outstanding
Associate Editor service to
the IEEE Transactions on
Systems, Man, and
Cybernetics: Systems.



Congratulations to all recipients!

**Thank you for
your attention!**