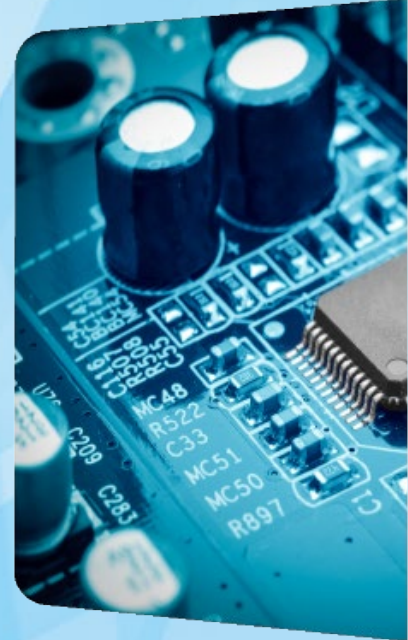
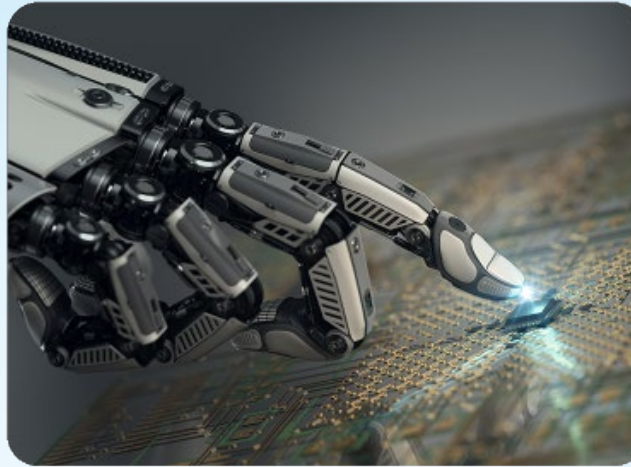


Systems, Man, and Cybernetics Society



Awards Ceremony

SMC 2025

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.



At this Award Ceremony the paper copies of the plaques are presented

The plaques and the other prizes will be delivered to the address of the awardees

IEEE Norbert Wiener Award

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

Prize

\$5,000 and a plaque.

IEEE Norbert Wiener Award



Jacek M. ZURADA

For contributions to technical cybernetics and the foundational theory of neural networks as learning systems



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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.

Prize

\$5,000 and a Plaque. Up to two (2) awards are given annually.



SMC Society Award Ceremony, October 2025, Vienna



IEEE SMC Lotfi A. Zadeh Pioneer Award Recipient 2025



Peng Shi

For outstanding contributions to computational intelligence and its application to systems and control for complex and uncertain dynamical systems



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IEEE SMC Lotfi A. Zadeh Pioneer Award Recipient 2025



Mengchu Zhou

For pioneering contributions to the area of Petri nets and applications to intelligent and automated discrete event systems



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IEEE Outstanding Contribution Award

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

Prize

Plaque.



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IEEE Outstanding Contribution Award



Adrian Stoica

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



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IEEE Outstanding Contribution Award



Saeid Nahavandi

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



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IEEE Outstanding Contribution Award



Syed Abdul Rahman Al-Haddad Syed Mohamed

For outstanding contribution
serving as the General Chair of
SMC 2024



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IEEE Outstanding Contribution Award



Andreas Nürnberger

For outstanding contribution
serving as the General Co-
Chair of SMC 2024



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IEEE Outstanding Contribution Award



Ferat Sahin

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



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IEEE Outstanding Contribution Award



Vladik Kreinovich

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



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IEEE Outstanding Contribution Award



Robert Kozma

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



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IEEE Outstanding Contribution Award



Tadahiko Murata

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



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IEEE Outstanding Contribution Award



Enrique Herrera Viedma

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



SMC Society Award Ceremony, October 2025, Vienna



IEEE Outstanding Contribution Award



Yan Wan

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



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IEEE Outstanding Contribution Award



Tingwen Huang

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



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IEEE Outstanding Contribution Award



Yo-Ping Huang

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



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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.

Prize

\$1,500 and a Plaque. Up to two (2) awards made annually.

IEEE SMC Early Career Award



Huiyan Zhang

For significant contributions to the theory and industrial applications of adaptive control



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IEEE SMC Early Career Award



Chun Sing Lai

For significant contributions to theory and industrial applications in intelligent power and energy systems (IPES) management and control



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IEEE SMC Outstanding Service to Humanity Award

To recognize technical and professional achievements or endeavors of an engineer or scientist in systems science and engineering, human-machine systems, and/or cybernetics that have resulted in a significant impact on humanity.

Prize

\$2,000 and a Plaque



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IEEE SMC Outstanding Service to Humanity Award



Ying (Gina) Tang

For advancing learning excellence and inclusive education through AI-driven personalized systems for underserved and rural communities



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IEEE Andrew P. Sage Best Transactions Paper Award

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, and 4) IEEE Transactions on Computational Social Systems.

Prize:

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



SMC Society Award Ceremony, October 2025, Vienna



IEEE Andrew P. Sage Best Transactions Paper Award - HMS

- ▶ Yingxin Liu,
- ▶ Yang Yu,
- ▶ Zeqi Ye,
- ▶ Ming Li,
- ▶ Yifan Zhang,
- ▶ Zongtan Zhou,
- ▶ Dewen Hu,
- ▶ Ling-Li Zeng

For the paper: Fusion of Spatial, Temporal, and Spectral EEG Signatures Improves Multilevel Cognitive Load Prediction,” IEEE Transactions on Human-Machine Systems, vol. 53, no. 2, pp. 357–366, April 2023.



IEEE Andrew P. Sage Best Transactions Paper Award -SYS

- ▶ **Frank L Lewis**
- ▶ **Hefu Ye**
- ▶ **Yongduan Song**

For the paper:

Prescribed-time control and its latest developments. **IEEE Transactions on Systems, Man, and Cybernetics: Systems** 53, no. 7 (2023): 4102-4116.



IEEE Andrew P. Sage Best Transactions Paper Award - CYB

- ▶ **Liang Cao,**
- ▶ **Yingnan Pan,**
- ▶ **Hongjing Liang,**
- ▶ **Tingwen Huang**

For the paper:

Observer-Based Dynamic Event-Triggered Control for Multiagent Systems With Time-Varying Delay, **IEEE Transactions on Cybernetics**, vol.53, no.5, pp.3376-3387, 2023.



IEEE Andrew P. Sage Best Transactions Paper Award - CSS

- ▶ **Xiaokang Zhou**
- ▶ **Xiaozhou Ye**
- ▶ **Kevin I-Kai Wang**
- ▶ **Wei Liang**
- ▶ **Nirmal Kumar C. Nair**
- ▶ **Shohei Shimizu**
- ▶ **Zheng Yan**
- ▶ **Qun Jin**

For the paper:

Hierarchical Federated Learning
With Social Context Clustering-
Based Participant Selection for
Internet of Medical Things
Applications, **IEEE Transactions
on Computational Social
Systems**, 10(4), 1742-1751,
August 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.

Prize
Plaque.

IEEE SMC Best Associate Editor Award - SYS



Manoj Kumar Tiwari

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



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IEEE SMC Best Associate Editor Award - HMS



Matthew L. Bolton

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



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IEEE SMC Best Associate Editor Award – CYB



Radu-Emil Precup

For the sustained outstanding service as Associate Editor of the IEEE Transactions on Cybernetics

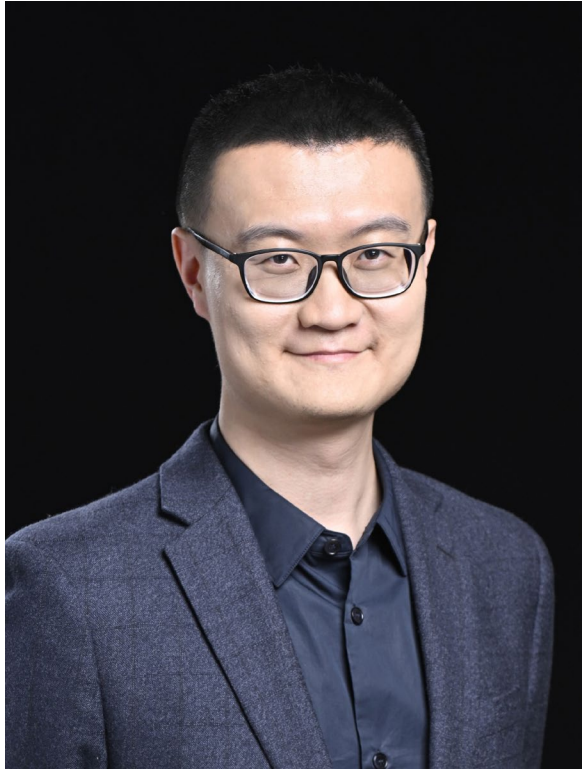


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IEEE SMC Best Associate Editor Award - CSS



Wei Cai

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



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.

Prize

\$1,500 for use in Technical Committee activities and a Plaque.



SMC Society Award Ceremony, October 2025, Vienna



IEEE Most Active SMC Technical Committee Award - SYS

- ▶ **Zhijun Li,**
- ▶ **C. L. Philip Chen,**
- ▶ **Okyay Kaynak,**
- ▶ **Chenguang Yang**

**Technical Committee on
Bio-mechatronics and
Bio-robotics Systems**



IEEE Most Active SMC Technical Committee Award - HMS

- ▶ **Michael H. Smith**
Chair
- ▶ **Ricardo Chavarriaga**
- ▶ **Tiago Falk**
- ▶ **Christopher Guger**
- ▶ **Ljiljana Trajkovic**

**Technical Committee on
Brain-Machine
Interface Systems**



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IEEE Most Active SMC Technical Committee Award - CYB

- ▶ **Qiangfu Zhao**
- ▶ **Robert Kozma**
- ▶ **Tadahiko Murata**
- ▶ **Goutam Chakraborty**

Technical Committee
on Awareness
Computing



IEEE Outstanding SMC Chapter Award

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

Prize

\$1,500 to be used for Chapter activities and a Plaque.

IEEE Outstanding SMC Chapter Award

- **Xi'an Jiaotong University Chapter (Chao Shen)**

For scalable membership expansion, cross-society collaborative frameworks, and institutionalized member support systems



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

- ▶ \$1,000 to be used for Student Branch Chapter activities and a plaque for display by the chapter.

IEEE Outstanding SMC Student Branch Chapter Award

► **SMC Chongqing University Student Chapter**

Catalyzed substantial membership growth, robust academic-industry initiatives, and exemplary global engagement through IEEE partnerships



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IEEE Franklin V. Taylor Memorial Award

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

Prize

\$1000 and a plaque.

IEEE Franklin V. Taylor Memorial Award - Nominees

► Authors

**Junchen Meng,
Zhe Yang,
Xiao-li Zhang,
Huaiyu Zhu**

For the paper

Inferring Smartphone
Application Types Via
Inaudible Charging Sound: A
New Acoustic Side-Channel
Attack



IEEE Franklin V. Taylor Memorial Award - Nominees

► Authors

Kai-chieh Chang,

Han-yu Lin,

Tzuu-hseng S. Li

For the paper

Implementation of RGBD-CNN
and Autoencoder-Based
Grasping with 3D Model-
Aided Orientation Estimation
on a Service Robot

IEEE Franklin V. Taylor Memorial Award - Winner

► Authors

**Satchidanand
Kshetrimayum,
Yo-ping Huang**

For the paper

HAF-Net: Hierarchical
Attention Fusion Network for
Multimodal Image Fusion



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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.

Prize

\$1,000 and a Plaque. Single Annual Award. 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 Society Award Ceremony, October 2025, Vienna



IEEE SMC Best Student Paper Award - Nominees

- ▶ **Authors**
- ▶ **Kyuho Son,**
- ▶ **Dongsoo Han**

For the paper

A Framework for Indoor Map Layout Construction in Collaborative Positioning: Optimized Analysis of Reachability and Vertical Transitions



IEEE SMC Best Student Paper Award - Nominees

- ▶ **Authors**
- ▶ **Olga Klyagina,**
- ▶ **Weijie Xia,**
- ▶ **Ricardo Andrade,**
- ▶ **Pedro P. Vergara,**
- ▶ **Ricardo Bessa**

For the paper

Synthetic Data Generation for
Wind Energy Forecasting:
Comparison between
Statistical and Deep Learning
Models



IEEE SMC Best Student Paper Award - Nominees

- ▶ **Authors**
- ▶ **Juyoung Oh,**
- ▶ **Ho-joong Kim,**
- ▶ **Seong-Whan Lee**

For the paper

FIQ: Fundamental Question Generation with the Integration of Question Embeddings for Video Question Answering



IEE SMC Best Student Paper Award - Winner

- ▶ **Authors**
- ▶ **Kai Shunshi Izumi,**
- ▶ **Koki Honda,**
- ▶ **Rui Fukui**

For the paper

Enhancement of Vibration
Induced Illusory Wrist
Movement by Presenting
Finger Joint Extension





Congratulations to all recipients!

*Thank you for
your attention!*