

IEEE SMC Society – 2023 Awards

IEEE SMC Society President: Sam Kwong

IEEE SMC 2023 General Chair: Adrian Stoica

IEEE SMC Society Awards Committee: Edward Tunstel (Chair), Lawrence O. Hall, Yo-Ping Huang, Imre J. Rudas, Ferat Sahin, Michael H. Smith

IEEE SMC Society Awards Sub-Committee for Conferences (best paper oral presentation judges):
Edward Tunstel (Chair), Liping Fang, Maria Pia Fanti, Yo-Ping Huang, Christopher Nemeth



SMC Society Annual Awards

▶ Technical Achievement Awards

- IEEE SMC Lotfi A. Zadeh Pioneer Award
- Norbert Wiener Award

▶ Outstanding Service Awards

- Joseph G. Wohl Outstanding Career Award
- Outstanding Contribution Award
- IEEE SMC Early Career Award
- IEEE SMC Meritorious Service Award
- IEEE SMC Outstanding Service To Humanity Award

▶ Transactions Awards

- Andrew P. Sage Best Transactions Paper Award
- IEEE SMC Best Associate Editor Award

▶ Technical Committee/Chapter Awards

- IEEE Most Active SMC Technical Committee Award
- IEEE Outstanding SMC Chapter Award
- IEEE Outstanding SMCS Student Branch Chapter Award

▶ Best Conference Paper Awards

- Franklin V. Taylor Memorial Award
- IEEE SMC Best Student Paper Award

TECHNICAL ACHIEVEMENT AWARDS

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Norbert Wiener Award

to

Huijun Gao

for outstanding contributions to advanced systems control theory
and engineering applications

OUTSTANDING SERVICE AWARDS

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Joseph G. Wohl Outstanding Career Award

to

Dimitar Filev

for outstanding career contributions to systems and cybernetics in industry, and service to the Systems, Man, and Cybernetics Society

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Outstanding Contribution Award

to

Sam T. Kwong

for outstanding contribution serving as the
SMC Society President 2022-2023

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Outstanding Contribution Award

to

Karen Panetta

for creating innovative membership engagement strategies as
Vice President Membership & Student Activities, 2019-2022

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE SMC Early Career Award

to

Chao Shen

for significant contributions to theory and industrial applications of
intelligent system control and security

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Meritorious Service Award

to

Peng Shi

for meritorious and significant service toward establishment of the
IEEE Letters on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Meritorious Service Award

to

Yingxu Wang

for meritorious and significant service toward establishment of the
IEEE Letters on Systems, Man, and Cybernetics

TRANSACTIONS AWARDS

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Andrew P. Sage Best Transactions Paper Award

to

Tianfu Li, Zhibin Zhao, Chuang Sun, Li Cheng,
Xuefeng Chen, Ruqiang Yan, and Robert X. Gao

for the paper "WaveletKernelNet: An Interpretable Deep Neural Network for Industrial Intelligent Diagnosis," IEEE Transactions on Systems, Man, and Cybernetics: Systems, Vol. 52, No. 4, April 2022, pp. 2302-2312 -190

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Andrew P. Sage Best Transactions Paper Award

to

Lin Guo, Zongxing Lu, and Ligang Yao

for the paper "Human-Machine Interaction Sensing Technology Based on Hand Gesture Recognition: A Review," IEEE Transactions on Human-Machine Systems, Vol. 51, No. 4, August 2021, pp. 300–309

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Andrew P. Sage Best Transactions Paper Award

to

Yongming Li, Fuyi Qu, and Shaocheng Tong

for the paper "Observer-Based Fuzzy Adaptive Finite-Time Containment Control of Nonlinear Multiagent Systems With Input Delay," IEEE Transactions on Cybernetics, Vol. 51, No. 1, January 2021, pp. 126–137

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Andrew P. Sage Best Transactions Paper Award

to

Xiaokang Zhou, Wei Liang,
Kevin I-Kai Wang, and Laurence T. Yang

for the paper "Deep Correlation Mining Based on Hierarchical Hybrid Networks for Heterogeneous Big Data Recommendations," IEEE Transactions on Computational Social Systems, Vol. 8, Issue 1, February 2021, pp. 171-178

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Best Associate Editor Award

to

Fang Deng

for outstanding service as Associate Editor of the
IEEE Transactions on Systems, Man, and Cybernetics: Systems

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Best Associate Editor Award

to

Max Mulder

for outstanding service as Associate Editor of the
IEEE Transactions on Human-Machine Systems

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Best Associate Editor Award

to

Jiangshuai Huang

for outstanding service as Associate Editor of the
IEEE Transactions on Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Best Associate Editor Award

to

Hanshu Cai

for outstanding service as Associate Editor of the
IEEE Transactions on Computational Social Systems

TECHNICAL COMMITTEE AWARDS & CHAPTER AWARDS

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Most Active SMC Technical Committee Award
Systems Science and Engineering

to the

Technical Committee on Robotics and Intelligent Sensing chaired by
Saeid Nahavandi, Mozafar Saadat, and Mehrdad Saif

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Most Active SMC Technical Committee Award
Human-Machine Systems

to the

Technical Committee on Humanized Crowd Computing chaired by
Jianqiang Li, Yan Pei, Mengchu Zhou, and Peter Sinčák

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Most Active SMC Technical Committee Award
Cybernetics

to the

Technical Committee on Cognitive Situation Management chaired by
Gabriel Jakobson, Leo Motus, Christian Lebiere, and Andrea Salfinger

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE Outstanding SMCS Chapter Award

to

Xiaojie Su, Chair

Beijing Section Joint Chapter (IEEE SMCS and IEEE RAS)

for outstanding growth in membership, hosting academic presentations,
and active participation in SMC Society conferences

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE Outstanding SMC Student Branch Chapter Award

to

M. Nithya, Advisor
Student Branch Chapter at Sri Sai Ram Engineering College

for outstanding leadership, service to members, and
organization of technical activities

BEST CONFERENCE PAPER AWARDS

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Franklin V. Taylor Memorial Award

for the best paper co-authored by by Dion Kelly, Danette Rowley,
Erica D. Floreani, Eli Kinney-Lang, Ion Robu, and Adam Kirton entitled
"Think BIG: Brain-Computer Interface Goals for Children
with Quadriplegic Cerebral Palsy"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Franklin V. Taylor Memorial Award - Finalist

for the best paper co-authored by Seitaro Yoneda and Akira Furui entitled
"Bayesian Approach for Adaptive EMG Pattern Classification
Via Semi-Supervised Sequential Learning"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Franklin V. Taylor Memorial Award - Finalist

for the best paper co-authored by Remigiusz Wiśniewski,
Justyna Patalas-Maliszewska, Marcin Wojnakowski, Marcin Topczak, and
Mengchu Zhou entitled "Fast Verification of Petri Net-based Model of Industrial
Decision-making Systems: A Case Study"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Franklin V. Taylor Memorial Award - Finalist

for the best paper co-authored by KaKit Chio, Wenhao Zhu, Lihua He,
Dian Zhang, Xu Yang, and Wuman Luo entitled
"FGRL-Net: Fine-Grained Personalized Patient Representation Learning
for Clinical Risk Prediction Based on EHRs"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 Franklin V. Taylor Memorial Award - Finalist

for the best paper co-authored by Kaniska Samanta, Sujit Roy,
Veronique Marchand-Pauvert, Shirin Dora, Stephanie Duguez,
Muskaan Singh, Girijesh Prasad, and Saugat Bhattacharyya entitled
"An Automated Detection of Amyotrophic Lateral Sclerosis from Resting-State
MEG Data using 3D Deep Convolutional Neural Network"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE SMC Best Student Paper Award

for the outstanding student paper and oral presentation co-authored by
Yasaman Pedari, Danial Waleed, Luis A. Duffaut Espinosa,
and Hamid R. Ossareh entitled "Robust State Estimation for Satellite Formations
in the Presence of Unreliable Measurements"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE SMC Best Student Paper Award - Finalist

for the outstanding student paper and oral presentation co-authored by
Marc-André Zöllner, Fabian Mauthe, Peter Zeiler, Marius Lindauer,
and Marco F. Huber entitled

"Automated Machine Learning for Remaining Useful Life Predictions"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE SMC Best Student Paper Award - Finalist

for the outstanding student paper and oral presentation co-authored by
Lorenz Steckhan, Wolfgang Spiessl, and Klaus Bengler entitled
"Evaluation of User Interfaces for Cooperation Between
Driver and Automated Driving System"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE SMC Best Student Paper Award - Finalist

for the outstanding student paper and oral presentation co-authored by
Chih-Han Ma, Ken-Chiang Wong, Chih-Ming Hsu, and Jen-Hsiang Chou
entitled "Monocular Visual-Inertial System based on
Adaptive Scale Recovery of Structured Features"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE Systems, Man, and Cybernetics Society

is proud to present the

2023 IEEE SMC Best Student Paper Award - Finalist

for the outstanding student paper and oral presentation co-authored by
Yuki Ishida, Ryunosuke Sawahashi, Rie Nishihama, and Taro Nakamura entitled
"Shoe-Type-Force-Feedback Device and Falling Sensation
with Two-Step Dropping"

published in the Proceedings of the 2023 IEEE International Conference
on Systems, Man, and Cybernetics

IEEE BRAIN Awards

IEEE Brain Best Paper Award - Paper 1111

"Think BIG: Brain-Computer Interface Goals for Children with Quadriplegic Cerebral Palsy," **Dion Kelly***, **Danette Rowley**, **Erica Danielle Floreani**, **Eli Kinney-Lang**, **Ion Robu**, and **Adam Kirton**

IEEE Brain Best Student Paper Award - Paper 1013

"Achieving Effective Artifact Subspace Reconstruction in EEG Using Real-Time Video-Based Artifact Identification,"
Sunghyun Kang, **Kyungho Won**, **Heegyu Kim**, **Jihoon Baek**,
Minkyu Ahn, and **Sung Jun**

Congratulations to Awardees and Finalists!

And special thanks to:

- *SMC 2023 General Chair: Adrian Stoica*
- *SMC 2023 Awards Chair: Dimitar Filev*
- *Program Chair: Vladik Kreinovich*
- *Scheduling Chair: Haibin Zhi*



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IEEE SMC 2023
Oahu, Hawaii

