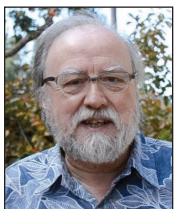


## Newly Elected CIS Administrative Committee Members (2021–2023)

### Piero P. Bonissone

**Piero P Bonissone Analytics LLC,  
USA**



Dr. Bonissone is an independent consultant specialized in the use of analytics for Industrial AI applications. He provides consulting services in machine learning (ML) analytic applications, covering project definition and risk abatement, project evaluation, transition from development to deployment, and model maintenance.

A former Chief Scientist at GE Global Research (GE GR), where he retired in 2014 after 34 years of service, Dr. Bonissone has been a pioneer in the field of analytics, machine learning, fuzzy logic, AI, and soft computing applications. Over the last decade at GE GR, he developed multi-criteria decision making systems to support PHM applications (prescriptive models), ensemble learning to reduce the variance of predictive models, and model lifecycle automation to create, deploy, and maintain analytic models, providing customized performance while adapting to avoid obsolescence.

He is a Life Fellow of the IEEE, a Fellow of the Association for the Advancement of Artificial Intelligence (AAAI),

the International Fuzzy Systems Association (IFSA), and a Coolidge Fellow at GE Global Research. He received the 2012 *Fuzzy Systems Pioneer Award* from the IEEE CIS. From 2010 to 2015, he chaired the Scientific Committee of the European Centre for Soft Computing. In 2008 he received the *II Cajastur International Prize for Soft Computing* from the European Centre of Soft Computing. In 2005 he received the *Meritorious Service Award* from the IEEE CIS. He served as *Editor-in-Chief* of the *International Journal of Approximate Reasoning* for 13 years. He is in the editorial board of five technical journals and is Editor at Large of the *IEEE Computational Intelligence Magazine*. He co-edited six books and has 180+ publications in refereed journals, book chapters, and conference proceedings (by Google Scholar). He received 74 patents issued by the US Patent Office. From 1982 until 2005 he was an Adjunct Professor at Rensselaer Polytechnic Institute, in Troy NY, where he supervised 5 PhD theses and 34 Master theses. He co-chaired 12 scientific conferences focused on Multi-Criteria Decision-Making, Fuzzy sets, Diagnostics, Prognostics, and Uncertainty Management in AI. In 2002, while serving as President of the IEEE Neural Networks Society (now IEEE CIS), he was a member of the IEEE Technical Activity Board. He has been an Executive Committee member of NNC/NNS/CIS society in 1993–2012 and

2016–18 and an IEEE CIS Distinguished Lecturer in 2004–14, and in 2017–19. He has been a member of the IEEE Fellow Committee in 2007–09; 2012–14, and 2016–17. Currently he is the Vice-Chair of the IEEE Fellow Committee.

### Oscar Cordón

**University of Granada, SPAIN**



Oscar Cordón is Professor with the University of Granada, where he founded the Virtual Learning Centre (2001–2005) and was Vice-President for Digital University (2015–19). He also was founding researcher of the European Centre for Soft Computing (2006–2011), being later contracted as Distinguished Affiliated Researcher (2011–15).

Prof. Cordón received the IEEE CIS Outstanding Early Career Award in its 2011 edition, the first such award conferred; the International Fuzzy Systems Association (IFSA) Award for Outstanding Applications of Fuzzy Technology in 2011; the Spain National Award on Computer Science ARITMEL by the Spanish Computer Science Scientific Society in 2014; the IEEE Fellow grade for his contributions to genetic and evolutionary fuzzy systems in 2018; and the IFSA Fellow in 2019. He also was a member of the Working Group that

developed the Spanish R+D Strategy for Artificial Intelligence by the Spanish Ministry of Science (2018–19). He was member of the ICT Executive Board of the Association of Spanish Universities and President of the Working Group on Online Learning and Educational Technologies (2016–2020, in particular during the COVID-19 lockdown, being involved in the design of contingency plans for the Spanish Ministry of Universities).

He has published >380 peer-reviewed scientific publications, including 110 JCR-SCI-indexed journals and a co-authored book on genetic fuzzy systems (~1400 citations in Google Scholar). He is included among the 1% most cited researchers in the World, with 5357 citations (h-index=39, Web of Knowledge) and 14397 citations (h-index= 57, Google Scholar). He has advised 19 PhD dissertations, one recognized with the European Society for Fuzzy Logic and Technologies (EUSFLAT) Best Ph.D. Thesis Award in 2011 and other 3 with some other awards. He has coordinated 23 research projects and 15 research contracts with an overall budget of >9 M€. He is co-inventor of an international patent on an intelligent system for forensic identification under exploitation by Panacea Cooperative Research. Besides, he has developed intelligent marketing models with Zio Analytics for big brands as The Coca Cola Company, Jaguar–Land Rover L’Oréal Mexico, Samsung, Telefónica, and El Corte Inglés.

He has been associate editor of 18 journals, including IEEE TFS (Outstanding AE in 2008), IEEE TEVC (Outstanding AE in 2019), IEEE CIM, IEEE TETCI (Founding AE), IEEE Access, WIREs DMKD (Founding AE), and IJAR. Since 2004, he has volunteered for IEEE CIS (AdCom member 2010–12, among many other services) and EUSFLAT (Treasurer 2005–2007 and Executive Board member 2005–07, 2009–2013). He has participated in the organization of many conferences, being Conference Chair of FuzzIEEE 2016 and Technical Co-chair in several FuzzIEEE and IEEE CEC editions.

**Pauline C. Haddow**  
**Norwegian University of Science and Technology, NORWAY**



Pauline Haddow is a Professor at the Department of Computer Science at the Norwegian University of Science and Technology (NTNU), Trondheim, Norway. Her main research interests involve both basic and applied research, creating/refining/applying evolutionary computation techniques to achieve complex, adaptive and robust solutions. Such approaches are tested for the efficient computational needs of today’s and tomorrow’s technologies through modelling, simulation and theoretical techniques. The key techniques investigated include artificial development, genetic algorithms, multi-objective optimization, neuroevolution and swarm intelligence. Professor Haddow currently holds a number of roles in IEEE CIS: member of IEEE CIS ADCOM; member of the IEEE CIS Conference Committee (ConfCcom) as chair of the IEEE CIS Bid Subcommittee, chair of the IEEE CIS Adhoc committee for a Conference Organization Tool and member of IEEE CIS WCI sub-committee. Previous roles have included member of the IEEE CIS Strategic Planning Subcommittee and IEEE CIS Adhoc committee for the IEEE CIS Conference on AI, IEEE CIS Vice President of Conferences and member of IEEE CIS EXCOM, chair of the IEEE CIS Technical co-sponsorship Subcommittee, member of the IEEE CIS Outstanding Papers committee, member of the IEEE CIS Distinguished Lecturers Program Subcommittee, member of the IEEE CIS Chapters sub-committee, chair and vice chair of the IEEE CIS EC Technical Committee; vice chair of the IEEE CIS Woman in CI Committee; member of the IEEE CIS Emergent Technologies TC and member of the IEEE CIS Task Force on Evolvable Hardware. Professor Haddow has further been Program Chair and host of IEEE CEC 2009 in Norway and co-chaired IEEE ICES 2013 in IEEE

SSCI 2013 as well as contributing to various publications as reviewer and as associate editor for IEEE Transactions on EC and related journals in the field.

**Haibo He**  
**University of Rhode Island, USA**



Haibo He is the Robert Haas Endowed Chair Professor at the Department of Electrical, Computer and Biomedical Engineering at the University of Rhode Island, Kingston, Rhode Island. His primary research interests include neural networks, reinforcement learning and adaptive dynamic programming, data mining, and various applications.

He has served various capacities at the IEEE Computational Intelligence Society (IEEE CIS), including the Chair of IEEE CIS Neural Networks Technical Committee (NNTC) (2013 and 2014), Chair of IEEE CIS Emergent Technologies Technical Committee (ETTC) (2015), and the General Chair of IEEE Symposium Series on Computational Intelligence (IEEE SSCI’14, Orlando, Florida). He currently serves as the Editor-in-Chief of the IEEE Transactions on Neural Networks and Learning Systems (IEEE TNNLS). He received numerous awards including the IEEE CIS Outstanding Early Career Award (2014), IEEE International Conference on Communications (ICC’14) Best Paper Award (2014), and National Science Foundation CAREER Award (2011). He is a Fellow of IEEE.

**Hisao Ishibuchi**  
**Southern University of Science and Technology, CHINA**



Hisao Ishibuchi received the BS and MS degrees from Kyoto University in 1985 and 1987, respectively. He received the Ph.D. degree from Osaka Prefecture University in 1992. Since 1987, he was with Osaka Prefecture University as Research Associate

(1987–1993), Assistant Professor (1993), Associate Professor (1994–1999) and Full Professor (1999–2017). Currently he is with Southern University of Science and Technology as Chair Professor.

He has been a chair of a number of international conferences such as General Chair of ICMLA 2011, IEEE CIFEr 2019 and EMO 2021, and Program Chair of SoCPaR 2009, IEEE CEC 2010, IES 2014, ICACI 2018 and

IEEE SSCI 2022. In the IEEE CIS, he was the Chair of the Fuzzy Systems Technical Committee (2008–2009), the Vice-President for Technical Activities (2010–2013), an AdCom member (2014–2019), the Editor-in-Chief of IEEE Computational Intelligence Magazine (2014–2019), and Distinguished Lecturer (2015–2017, 2021–2023).

He is an IEEE Fellow. He received the JSPS Prize in 2007, IEEE CIS Fuzzy

Systems Pioneer Award in 2019, IEEE Trans. on Evolutionary Computation Outstanding Paper Award in 2020, and Best Paper Award from a number of international conferences such as GECCO 2004, 2017, 2018, 2020, FUZZ-IEEE 2009, 2011 and EMO 2019. His students also received Student Best Paper Award from a number of international conferences such as IEEE CEC 2020 and FUZZ-IEEE 2020.

Gary G. Yen  
IEEE CIS 2020 Fellow Committee Chair

## IEEE Fellows—Class of 2021

### De-Shuang Huang Tongji University, CHINA

*for contributions to neural networks for pattern recognition and bioinformatics.*



De-Shuang Huang is currently a Professor in Department of Computer Science and Director of Institute of Machine Learning and Systems Biology at Tongji University, China. He received his M.S. and Ph.D. in electronic engineering from National Defense University of Science and Technology and Xidian University, China, in 1989 and 1993, respectively. He was the Recipient of “Hundred Talents Program of Chinese Academy of Sciences” (2000). He was also visiting professors at the George Washington University, Washington DC, USA (2003), Queen’s University of Belfast,

UK (2006) and Inha University, Korea (2007, 2008 & 2009). He was also the visiting professor of the Liverpool John-Moore University, UK (2015–2018). De-Shuang Huang was elected as the Fellow of the International Association of Pattern Recognition (IAPR Fellow) in 2014, the Board Member of the International Neural Network Society (INNS) Governors (2013–2019), and associated editors of several mainstream international journals such as IEEE/ACM Transactions on Computational Biology & Bioinformatics, etc. He founded the International Conference on Intelligent Computing (ICIC) in 2005. ICIC has since been successfully held annually with him serving as General or Steering Committee Chair. He also served as the 2015 International Joint Conference on Neural Networks (IJCNN 2015) General Chair, July 12–17, 2015, Killarney, Ireland, the 2014 11th IEEE Computational Intelligence in Bioinformatics and Computational Biology Confer-

ence (IEEE-CIBCBC) Program Committee Chair, May 21–24, 2014, Honolulu, USA, and the 2014 IEEE World Congress on Computational Intelligence-International Joint Conference on Neural Networks, Technical Committee Co-Chair, July 6–11, 2014, Beijing, China.

He has published over 400 papers in international journals, international conferences proceedings, and edited 52 books or proceedings as well as 26 Special Issues as guest editor in different journals. Also, he published three monographs (in Chinese), one of which, entitled with “Systematic Theory of Neural Networks for Pattern Recognition,” won the Second-Class Prize of the 8th Excellent High Technology Books of China in 1997. He was invited speaker at over 90 international/national conferences and workshops, including 16 keynote speeches at some international conferences. His main research interest includes neural networks, pattern recognition and bioinformatics.

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