

TCMC Chair Election

Candidate Dr. Mei-Ling Shyu

Biosketch

Dr. Mei-Ling Shyu has been a Professor and Associate Chair at the Department of Electrical and Computer Engineering (ECE), University of Miami (UM) since 2013. Prior to that, she was an Associate/Assistant Professor in ECE at UM dating from January 2000. She received her Ph.D. degree from the School of Electrical and Computer Engineering and her three master degrees from Computer Science, Electrical Engineering, and Restaurant, Hotel, Institutional, and Tourism Management, all from Purdue University, West Lafayette, Indiana, U.S.A. Her research interests include data mining, big data, multimedia information systems, and security. She has authored and co-authored more than 230 technical papers published in various prestigious journals, book chapters, and refereed conference/workshop/symposium proceedings.

Dr. Shyu received the IEEE Computer Society Technical Achievement Award and ACM Distinguished Scientists Award in 2012. She was elected a Fellow of the Society for Information Reuse and Integration (SIRI) in 2010 for her contributions to Multimedia Data Mining, Information Retrieval, and Knowledge Management. She received the Best Paper Award from the IEEE International Conference on Information Integration and Reuse in 2014 and 2012, SIRI Outstanding Service Award in 2014, the Provost Research Award at UM in 2012, the Best Published Journal Article in IJMDEM for 2010 Award from IGI Global, the “Best Student Paper Award” from the Third IEEE International Conference on Semantic Computing in September 2009, the “Johnson A. Edosomwan Scholarly Productivity Award” from the College of Engineering at UM in 2007, and the “Metadata Management Award” from National Oceanic and Atmospheric Administration (NOAA) TECH in 2004.

Dr. Shyu serves/served as an Associate Editor for several journals including the IEEE Transactions on Human-Machine Systems, IEEE SMC Transactions Part C: Applications and Reviews, International Journal of Multimedia Data Engineering and Management, etc. She is also on the editorial board of many other journals. Furthermore, Dr. Shyu has been a guest editor of several journal special issues, and a program chair of more than ten international conferences, symposiums, and workshops, mostly in the areas of multimedia databases and knowledge management. She is a member of technical program committees for more than 120 international meetings.

Position Statement

As the current vice chair of the Technical Committee on Multimedia Computing (TCMC), I am honored to be nominated as a candidate for the Chair of TCMC. It is well-recognized that TCMC carries the important leadership role in the area of multimedia computing in order to meet the challenges in response to the explosive growth of digital media collections and the widespread accessibility of digital media in social networks and the Internet. Such a leadership role requires the active involvement of all the TCMC members in the academic and industrial communities, which means TCMC must be member-centered and with high-valued memberships.

To achieve these objectives, I share the following views with you. TCMC needs to attract more researchers and practitioners in this area world-wide to join TCMC by (1) initiating mentoring programs to seek a group of senior members internationally who are willing to volunteer their time and share their ideas, experiences, and expertise to provide career guidance for young researchers and practitioners; (2) promoting closer and more constructive collaborative interactions between the academic and industrial communities to address challenges in various application domains; (3) providing supports and involvements in multimedia computing related international meetings (conferences, symposiums, and workshops) to publicize and advance TCMC as a leading TC for professionals in this area and to enable knowledge sharing/networking for the TCMC members; (4) sponsoring the best paper and/or best student paper awards for TCMC financial-sponsored meetings; (5) creating TCMC awards to recognize members with great contributions in research, teaching, practice, or services in multimedia computing; (6) forming an award sub-committee within TCMC to identify and nominate members to various IEEE and Computer Society awards like IEEE Fellow, Computer Entrepreneur Award, Technical Achievement Award, Richard E. Merwin Distinguished Service Award, Computer Science and Engineering Undergraduate Teaching Award, etc.; (7) promoting TCMC members to be the Associate Editors of IEEE Journals, and the keynote/plenary speakers, organizing committee members, and technical program committee members of IEEE conferences; (8) recommending and supporting special issues for IEEE journals; and (9) continuing the communication channels (e.g., TCMC electronic newsletters) to allow the members to share their comments, ideas, and perspectives to enable effective and affordable services to the TCMC members. Currently, such newsletters have been sent, at least once per month, to the members to provide the most updated information.

I believe with the kind and continued supports from all of you, we will be able to continue, implement, and realize these initiatives to enhance TCMC to deliver better services and broader benefits of its members and the overall multimedia computing community.