Terrence L. Ogle

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Mr. Terrence L. Ogle, a Principal Research Engineer (PRE) and Branch Chief in the Electro-Optical Systems Laboratory (ESOL) Electronic Warfare Analysis Branch (EWAB), has over 22 years of engineering experience, with more than 12 years at the Georgia Tech Research Institute (GTRI). Mr. Ogle earned a Bachelor's degree in biosystems engineering from the University of Tennessee in 1996 and a second Bachelor's degree and a Master's degree in electrical and computer engineering from the Georgia Institute of Technology in 2000 and 2001, respectively. He is author/coauthor of more than 26 publications covering innovative contributions to the fields of target tracking, data association, data fusion, and bias estimation. For most of his career, Mr. Ogle has been involved in the foundational development of Benchmark environments for the assessment of tracking and fusion algorithms. Mr. Ogle's research has resulted in system requirements that have been documented in multiple standards and handbooks on integrated air and missile defense, data fusion, track correlation, and track filtering and management.

Mr. Ogle has provided service to the profession through his extensive support of the IEEE Aerospace and Electronic Systems Society (AESS), IEEE Southeastern Symposium on System Theory (SSST), International Society of Information Fusion (ISIF), and the International Federation of Automatic Control (IFAC). Mr. Ogle has been a Senior Member of the IEEE for 16 years, a member of the IEEE Aerospace Society for 12 years, a member of the Association of Old Crows, and a member of the International Society of Information Fusion. Over the years, Mr. Ogle has served in multiple roles (i.e., local arrangements chair, tutorials chair, sessions chair, and general chair) within these professional societies. Mr. Ogle has served as a chair at the AESS conference for the last six years and managed the peer-review process and final decisions for papers submitted for Navigation Guidance and Control. He has also been a paper reviewer for other societies, including IEEE AESS, IFAC, ISIF Journal of Advances in Information Fusion, and the IEEE Radar Conference.

Position Statement

As a general chair of Fusion 2023, and the local coordinator for the meeting in Charleston, SC, I am energized to help grow the membership of ISIF among young and more senior members from evolving areas of fusion. I believe that our organization has a breadth of experience and knowledge to offer to many potential new members. Recently, our organizing team has been in contact with Clemson University's Deep Orange program where they have designed an autonomous racecar using cameras, radars, long-distance LiDARs, and high-precision GPS sensors to be used for the Indy Autonomous Challenge. These racecars can autonomously achieve speeds up to 200 mph in a racing environment with expectations for advancing the state of the art in low latency sensor fusion, autonomous vehicle operation, and crash avoidance algorithms. While continuing the tradition of high standards within ISIF, it is important to expand our reach and impact into emerging areas. If elected to the ISIF Board of Directors, I would be honored to serve our society.