

2024 ISIF AWARDS

2024 ISIF LIFETIME OF EXCELLENCE AWARD

The ISIF Board of Directors and the ISIF Awards Committee are pleased to announce that Prof. Peter Willett is the recipient of the highly prestigious 2024 *ISIF Yaakov Bar-Shalom Award for a Lifetime of Excellence in Information Fusion*. Prof. Willett's contributions to fusion of very low



Prof. Peter Willett, 2024 recipient.

observable tracks, high-resolution measurement extraction, and leadership in formation and growth of ISIF are the basis for his nomination. The 2024 award will be presented at the 2024 FUSION conference in Venice, Italy in July 2024.

Prof. Willett received his B.Sc. in Engineering Science from the University of Toronto in 1982 and his Ph.D. from Princeton University in 1987. He has been a faculty member in the Electrical and Computer Engineering Department at the University of Connecticut since 1986. He was promoted to Professor in 1998. The IEEE elevated him to IEEE Fellow in 2003 for "contributions to detection, target tracking, and signal processing." His primary areas of research are statistical signal processing, detection, communications, data fusion, and tracking. Prof. Willett is very active in the organization of the *ISIF International Conference on Information Fusion* (FUSION). He served as Editor-in-Chief (EIC) of *IEEE Signal Processing Letters* from 2014-2016 and *IEEE Transactions on Aerospace and Electronic Systems* from 2006-2011. He served as Associate Editor and EIC for the *IEEE Aerospace and Electronic Systems Magazine* (2018-2022). He was Aerospace and Electronic Systems Society (AESS) Vice President for Publications, 2012-2014, and is Vice President for Finances, 2022-2024. From 1998-2005, he was an Area Associate Editor for three active journals: *IEEE Transactions on Aerospace and Electronic Systems* (for Data Fusion and Target Tracking) and *IEEE Transactions on Systems, Man, and Cybernetics* (parts A and B). He is a member of the IEEE AESS Board of Governors and of the *IEEE Signal Processing Society's Sensor-Array and Multichannel (SAM)* technical committee and was SAM-TC Chair (2014-2016).

The ISIF Lifetime of Excellence Award is the premier ISIF award given to a researcher or engineer in recognition of their outstanding contributions to the field of information fusion throughout their career. Contributions include technical

advances, technical vision and leadership, education and mentoring, novel applications of information fusion and the associated engineering achievements, and service to ISIF. The initial award was given to Yaakov Bar-Shalom (2015), for whom the award was later named. Subsequent awardees were Chee-Yee Chong (2016), Pramod Varshney (2018), Ed Waltz (2021), and Roy Streit (2023).

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2024 ISIF YOUNG INVESTIGATOR AWARD

The ISIF Board of Directors and the ISIF Awards Committee are pleased to announce that the recipient of the 2024 ISIF Young Investigator Award is Dr. Domenico Gaglione. The basis for Dr. Gaglione's award is his many contributions to the development of graph-based heterogeneous multi-sensor multi-target tracking algorithms to enhance maritime situational awareness.



Dr. Domenico Gaglione, 2024 recipient.

Dr. Paolo Braca nominated Dr. Gaglione for the 2024 award. It will be presented at the 2024 FUSION conference in Venice, Italy in July 2024.

Dr. Gaglione received B.Sc. and M.Sc. in Telecommunications Engineering from University of Naples "Federico II" in 2011 and 2013, respectively. He received the Ph.D. in Signal Processing from University of Strathclyde in Glasgow, UK in 2017. Dr. Gaglione's research is centered on the advancement of techniques and

algorithms within the domain of information fusion and signal processing with the primary objective of augmenting the maritime situational awareness. His main research focus regards the formulation of graph-based algorithms for various applications.

The ISIF Young Investigator Award is sponsored by the ISIF to acknowledge international recognition of outstanding contributions to the field of information fusion by an ISIF member under age 35. The goals of the ISIF in granting the award are to encourage individual effort and to foster increased participation by younger researchers and engineers. Past recipients are David Crouse (2016), Marcus Baum (2017), Karl Granström (2018), Florian Meyer (2021), and Florian Pfaff (2023).