

# 2023 ISIF AWARDS

## ISIF YAAKOV BAR-SHALOM AWARD FOR LIFETIME OF EXCELLENCE IN INFORMATION FUSION

The International Society of Information Fusion (ISIF) Yaakov Bar-Shalom Award for a Lifetime of Excellence in Information Fusion is the premier ISIF award. This award is given for a lifetime of contributions to information fusion.



2023 recipient of the ISIF Yaakov Bar-Shalom Award for a Lifetime of Excellence in Information Fusion is Roy Streit.

to be presented at the 2023 FUSION conference in Charleston, SC, USA in June 2023.

Dr. Streit received his B.A. (Physics and Mathematics) from the East Texas State University (now Texas A&M-Commerce) in 1968, his M.A. (Mathematics) from the University of Missouri at Columbia in 1970, and the Ph.D. from the University of Rhode Island in 1978. He is a Distinguished Fellow at Metron in Reston, VA, a scientific consulting company specializing in search, tracking, and related problems. Prior to joining Metron in 2005, he was a Senior Research Scientist in the Senior Executive Service (SES) at the U.S. Naval Undersea Warfare Center (NUWC). The focus of his work at NUWC was the development, evaluation, and application of multi-sensor data fusion algorithms in support of submarine sonar and combat control automation.

Dr. Streit is an IEEE Life Fellow. He holds nine U.S. patents (two have D-10 status) and has published several books, over 40 journal articles, and numerous conference papers and book chapters. He served for many years on the ISIF Board of Directors including as ISIF President (2012). As mentioned, he was the founding Editor-in-Chief of the ISIF *Perspectives* magazine. He was General Co-Chair (with Murat Efe) for FUSION 2013 in Istanbul, Turkey, and General Co-Chair (with X. Rong Li) of FUSION 2017 in Xi'an, China.

The ISIF Board of Directors and the ISIF Awards Committee are pleased to announce that Dr. Roy Streit is the recipient of the highly prestigious 2023 *ISIF Yaakov Bar-Shalom Award for a Lifetime of Excellence in Information Fusion*. Dr. Streit's contributions to multitarget tracking, his leadership in the ISIF community, and his founding of ISIF *Perspectives on Information Fusion* magazine as the Editor-in-Chief were the basis for his nomination by Stefano Coralluppi. The 2023 award is

The ISIF Lifetime of Excellence Award recognizes a researcher or engineer for outstanding contributions to the field of information fusion throughout his or her 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. Following the award to Prof. Bar-Shalom, subsequent awardees include Dr. Chee-Yee Chong (2016), Prof. Pramod Varshney (2018), and Mr. Ed Waltz (2021).

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## 2023 ISIF YOUNG INVESTIGATOR AWARD

The ISIF Young Investigator Award acknowledges the exceptional accomplishments of a young ISIF member within the field. With this award, ISIF aims to inspire personal dedication and promote involvement from emerging researchers and engineers. The recipient of the 2023 ISIF Young Investigator Award is Florian Pfaff. The basis for Dr. Pfaff's nomination



2023 recipient of the ISIF Young Investigator Award is Florian Pfaff.

is his contributions to the field of information fusion in estimation of nonlinear manifolds and information fusion for combined stochastic and set-membership uncertainties. Prof. Lyudmila Mihaylova nominated Dr. Pfaff for the 2023 award that is to be presented at the 2023 FUSION conference in Charleston, SC, USA in June 2023.

Florian Pfaff is a highly accomplished researcher and an integral member of the FUSION community. His innovative filters

for nonlinear manifolds have outperformed previous methods and offer effective solutions for various topologies. In addition, Pfaff has contributed to distributed estimation, multitarget tracking, and extended object tracking.

Dr. Pfaff's work has been widely recognized with numerous awards, honors, and distinctions, including the SICK Science Award 2018 for best Ph.D. thesis and the Otto von Guericke Award 2019 for the best project by the funding agency. Past recipients are David Crouse (2016), Marcus Baum (2017), Karl Granstrom (2018), and Florian Meyer (2021).

**2023 ISIF BOB LYNCH DISTINGUISHED SERVICE AWARD**



2023 recipient of the ISIF Bob Lynch Distinguished Service Award is Chee-Yee Chong.

ISIF sponsors the ISIF Robert Lynch Award for Distinguished Service to recognize an individual who has provided great service to the society. The award was established in memory of Bob Lynch, who contributed regularly and tirelessly over many years to the organization of the annual International Conference on Information Fusion (ICIF), the

founding and production of the *Journal for Advances in Information Fusion* (JAIF), the founding of *ISIF Perspectives on Information Fusion*, and maintenance of the ISIF web site. Dr. Chee-Yee Chong is the recipient of the 2023 ISIF Bob Lynch Distinguished Service Award. Dr. Yaakov Bar-Shalom nominated Dr. Chong for his numerous contributions to ISIF. Dr. Chong was a co-founder of the International Society of Information Fusion (ISIF) and served as ISIF President in 2004 and ISIF Treasurer from 1998 to 2022, a quarter of a century. Dr. Chong was General Co-chair for the 12th International Conference on Information Fusion in 2009, Guest Editor for the special issue on Multiple Hypothesis Tracking in *ISIF Journal of Advances in Information* (JAIF), and a past Associate Editor for the JAIF. The 2023 ISIF Bob Lynch Distinguished Service Award is to be presented at the 2023 FUSION conference in Charleston, SC, USA in June 2023.