

IEEE COUNCIL ON SUPERCONDUCTIVITY

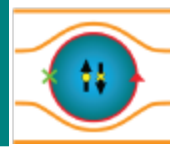
Awards

25th International Conference on Magnet Technology (MT-25)

RAI - Amsterdam
28 August 2017

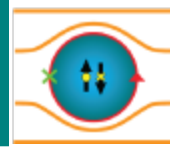
Bruce Strauss
John Przybysz
Elie Track
Sasha Ishmael

President
President-Elect & Awards Chair
Treasurer
Secretary



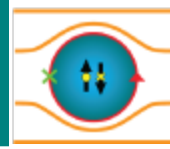
What is the IEEE CSC?

The IEEE Council on SuperConductivity, CSC, promotes programs and activities that cover the science and technology of superconductors and their applications. Superconducting applications span the range from small scale analog and digital circuits and systems, to large scale applications of MRI, High Energy Physics, Fusion, as well as electrical power generation, storage, and transmission. Applications include the development and enhancement of the associated materials.



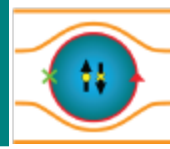
Affiliated IEEE Societies

- **Communications**
- **Computer**
- **Dielectrics and Electrical Insulation**
- **Electron Devices**
- **Electronics Packaging**
- **Instrumentation and Measurement**
- **Magnetics**
- **Microwave Theory and Techniques**
- **Power and Energy**
- **Reliability**
- **Ultrasonics, Ferroelectrics, and Frequency Control**



Awards and Recognitions

- **THE AWARD FOR CONTINUING AND SIGNIFICANT CONTRIBUTIONS IN THE FIELD OF APPLIED SUPERCONDUCTIVITY**
- **THE IEEE DR. JAMES WONG AWARD FOR CONTINUING AND SIGNIFICANT CONTRIBUTIONS TO APPLIED SUPERCONDUCTOR MATERIALS TECHNOLOGY**
- **THE MAX SWERDLOW AWARD FOR SUSTAINED SERVICE TO THE APPLIED SUPERCONDUCTIVITY COMMUNITY**
- **THE VAN DUZER PRIZE AWARD**
- **THE IEEE COUNCIL ON SUPERCONDUCTIVITY CARL H. ROSNER ENTREPRENEURSHIP AWARD**
- **THE IEEE CSC GRADUATE STUDY FELLOWSHIP IN APPLIED SUPERCONDUCTIVITY**

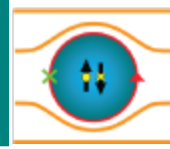


**AWARD FOR CONTINUING AND
SIGNIFICANT CONTRIBUTIONS IN
THE FIELD OF
APPLIED SUPERCONDUCTIVITY**



...CONTINUING AND SIGNIFICANT CONTRIBUTIONS...

This Award recognizes individuals for their continuing and significant scientific or technical contributions in the field of applied superconductivity over an extended period of time, and the roles they have played to promote the advancement of applied superconductivity.



Large Scale Applications *Previous Awardees*

2000 John Stekly
Martin Wilson

2001 Peter Komarek

2002 Henri Desportes
Bruce Montgomery
John Purcell

2003 H. Hirabayashi

2004 Alfred McInturff

2005 Romeo Perin

2006 Daniel Leroy

2007 Lucio Rossi

2008 Akira Yamamoto

2010 William Sampson

2011 Yukikazu Iwasa
Alvin Tollestrup
Bernard Turck

2012 Michael A. Green

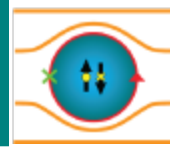
2013 Joseph Minervini
Herman ten Kate

2014 Arnaud Devred
Bruce Ganble
E. Trifon Laskaris
Justin Schwartz

2015 W. Denis Markiewicz
Richard Thome

2016 Shlomo Caspi

The Award For 2017...

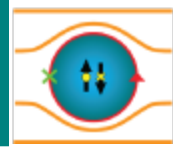


EVGENY YU. KLIMENKO (Retired)

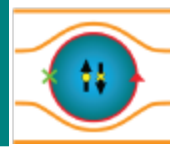


For continuing and significant contributions in the field of large scale applications of superconductivity, in particular:

- for pioneering works on forced-flow cooled superconducting magnets,
- for discovery and proof of the key role of smooth superconducting-to-normal state transition for stable operation of superconducting magnets with high current density, and
- for development of the T-15 conductor and qualification program for the first in the world Nb_3Sn superconducting Tokamak.

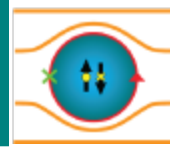


**THE MAX SWERDLOW AWARD
FOR SUSTAINED SERVICE
TO THE
APPLIED SUPERCONDUCTIVITY
COMMUNITY**



...MAX SWERDLOW AWARD FOR SUSTAINED SERVICE ...

This Award recognizes sustained service to the applied superconductivity community that has had a lasting influence on the advancement of the technology either through the demonstration of exceptional service to and leadership within the community, the formulation and promotion of major programs in applied superconductivity or through leadership and management roles in major research organizations.



Max Swerdlow Award *Previous Awardees*

2002 Edgar Edelsack
Carl H. Rosner

2003 Y. Kyotani

2004 Shoji Tanaka

2006 David Sutter

2008 James Daley
Sir Martin Wood

2009 Luguang Yan

2010 Moises Levy

2011 Horst Rogalla

2012 Bruce P. Strauss

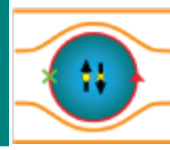
2013 Robert Aymar

2014 Paul C. W. Chu
Harold Weinstock

2015 David G. Hawksworth

2016 Richard Harris

The Award For 2017...



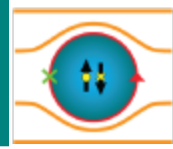
KENICHI SATO

Japan Science and Technology Agency



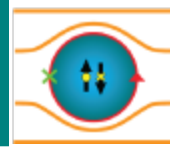
For sustained leadership and exceptional service to the applied superconductivity community, in particular:

- for developing magnet-grade HTS wires and their applications to power cables, magnets and motors (1988-2016),
- for serving as Secretary of IEC/TC90 (1989-2013), Program Officer of JST (2009-present) and Co-Editor of Superconductivity News Forum (2014-present), and
- for serving as President of the Cryogenics and Superconductivity Society of Japan (2012-2016), and a Board Member of ICMC (2001-present).



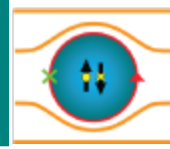
IEEE CSC Graduate Study Fellowship in Applied Superconductivity

Nathan Newman
Chair, CSC Educational Grants
nathan.newman@asu.edu



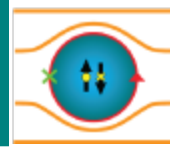
...Graduate Study Fellowship in Applied Superconductivity

- **This competitive fellowship is awarded to a full-time graduate student pursuing a PhD (or equivalent) degree in the area of applied superconductivity, at an accredited college or university of recognized standing worldwide. The intention of the award is to encourage students to enter and contribute to the field of applied superconductivity.**
- **Each IEEE CSC Graduate Study Fellowship in Applied Superconductivity will consist of an honorarium of US \$5,000 and a suitably inscribed certificate.**
- **Up to six (6) Fellowships awarded annually.**

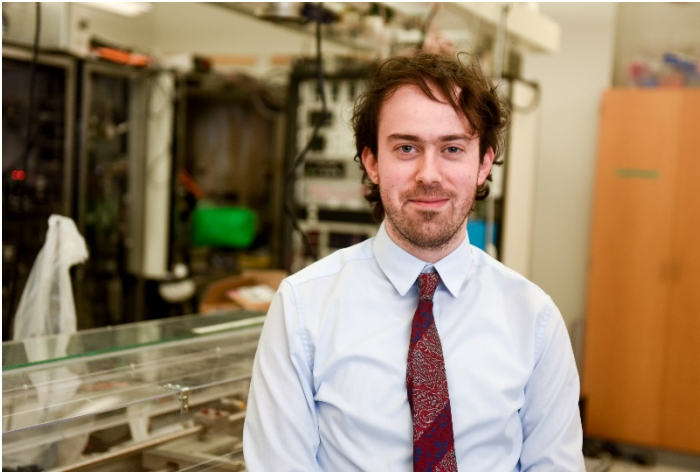


Graduate Study Fellowship Class of 2017

Clinton Bockstiegel	University of California, Santa Barbara	USA
Christine Donnelly	Stanford University	USA
Meysam Heydari Gharahcheshmeh	University of Houston	USA
Michal Maciejewski	Lodz University of Technology	Poland
Federico Scurti	North Carolina State University	USA
Shengnan Zou	Karlsruhe Institute of Technology	Germany

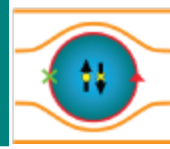


Graduate Study Fellowship Recipient 2017



Federico Scurti

North Carolina State University



More Information About The Awards

Information about these Awards and Prizes can be found at the
CSC Website:

<http://ieeecsc.org/awards>

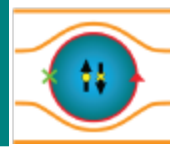
Nominations for future recipients of the IEEE Awards in Applied
Superconductivity may be submitted by e-mail to:

Dr. John Przybysz

Chair, Awards Committee

IEEE Council on Superconductivity

j.przybysz@ieee.org

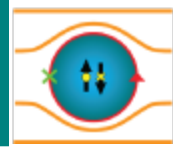


Acknowledgements

The IEEE Council on Superconductivity would like to acknowledge the contributions from

ATI Metals, Albany, OR (USA)

toward the fabrication of the niobium medallions presented to recipients of the IEEE Awards in Applied Superconductivity.



THANK YOU!

**The IEEE Council on Superconductivity
Would Like to Thank
The Applied Superconductivity
Community
and the MT-25 organizers
for their Support of These Awards**