

## **CSA Award and Recognition Recipients 2017**

August 18, 2017 (PA39).

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### **CRYOGENIC SOCIETY OF AMERICA, INC.**

#### **AWARDS AND RECOGNITIONS RECIPIENTS 2017**

Bestowed at the 2017 CEC-ICMC Conference (09-13 July 2017), Madison, USA.

[More information](#)

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### **FELLOW OF THE CRYOGENIC SOCIETY OF AMERICA**

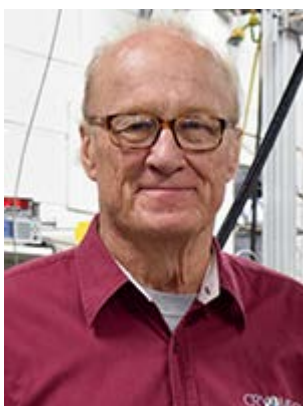


**PETER SHIRRON**

**NASA/Goddard Space Flight Center**

For his far-reaching contributions to the field of cryogenics, including his distinguished career at NASA, where he has demonstrated exceptional technical insight and developed innumerable significant cryogenic and superconducting innovations; his participation as chair of the Space Cryogenics Workshop and service as North American Editor for the journal Cryogenics; as President-Elect of the Cryogenic Society of America and a columnist for its Cold Facts magazine.

### **ROBERT W. VANCE AWARD**



**PETER GIFFORD**

**Cryomech, Inc.**

Honored posthumously for his long and supportive service to CSA and his contributions to enhancing the stature of the society internationally, including the establishment of the William Gifford Award.

## **WILLIAM E. GIFFORD AWARD**



**KURT UHLIG**

**The Walther- Meissner Institute**

For his groundbreaking work in developing the world's first dry (cryogen free) dilution refrigerator using a 4 K pulse tube cryocooler. His subsequent R&D led to many innovations and improvements to dry dilution refrigerators and fostered the creation and growth of several manufacturers. A brilliant experimentalist, his work has inspired the international cryogenics community.

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## **CRYOGENIC SOCIETY OF AMERICA TECHNICAL AWARDS**

### **GEORGE T. MULKLLAN MEMORIAL AWARD FOR EXCELLENCE IN CRYOGENIC ENGINEERING**



**TORU KURIYAMA**

**Toshiba Corporation**

For his profound impact on the field on cryogenics. He was the first to demonstrate 4 K operation of a Gifford McMahon cryocooler by using spherical powder of ER3Ni in the regenerator in place of lead spheres, and was the driving force at Toshiba to produce these high quality powders. His work led to the commercialization, through Sumitomo, of 4 K GM cryocoolers and later to 4 K pulse tube cryocoolers. He was also the first to cool a high-field NbTi superconducting magnet without liquid helium, using a 4 K GM cryocooler to cool conductively.

## **AWARD FOR EXCELLENCE IN CRYOGENIC OPERATIONS AND SUPPORT**



**MATHEW WRIGHT**  
**FRIB/MSU**

For demonstrating excellence while managing five different small- to large-scale cryogenic plants at the Thomas Jefferson National Accelerator Facility, the largest 2 K helium operation in the US. He provided operational sequence development, procedure development, assembly methodology, commissioning methods and design at Jlab. His technical ability and good rapport with co-workers are outstanding. Under his leadership, the complex cryogenic systems at Jlab supported the facility's cryogenic demand year after year with unprecedented 24/7 availability. His dedication motivates the entire operations staff and he has repeatedly shown an excellent capability to plan for contingencies and provide options.