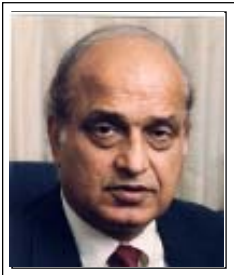


## Nari Hingorani Custom Power Award

*For major contributions to the state of the art of Custom Power technology and its applications.*



Power electronics and other static controllers are making a major impact on future power systems through application in transmission, distribution, and small generation. Applications in transmission and distribution include HVDC, FACTS and Custom Power. Since the introduction of Custom Power concepts, the technology has been moving ahead at an increasing pace. Very significant near to long term benefits of Custom Power technology are now recognized in the industry.

The Nari Hingorani Custom Power Award is for individuals who have made a major contribution to the state of the art of Custom Power technology and its applications.

**This award is funded by contributions from the following companies:**

- ABB
- ALSTOM
- EPRI
- GE Power Systems
- Hingorani Power Electronics
- National Grid Corporation
- S&C Electric
- Siemens
- Silicon Power Corporation
- Westinghouse

*The Nari Hingorani Custom Power Award consists of a plaque, engraved medal and an honorarium of \$US1,000*

### Previous Recipients

- 2003 Charles Edwards
- 2005 Neil H. Woodley

## Nari Hingorani Custom Power Award

**RIK W. DE DONCKER**

2008 Recipient

***For the development of solid state transfer switch technology and converters for medium voltage applications***

**Rik W. De Doncker** received his Ph.D. degree (summa cum laude) in electrical engineering from the Katholieke Universiteit Leuven, Leuven, Belgium in 1986. In 1987, he was appointed Visiting Associate Professor at the University of Wisconsin, Madison. In 1988, he was a General Electric Company Fellow at the microelectronic center, IMEC, Leuven, Belgium. In December 1988, he joined the GE Company Corporate Research and Development Center, NY.



In 1994, Dr. De Doncker joined Silicon Power Corporation (formerly GE-SPCO) as Vice President, Technology. He was responsible for the development and production of a 15-kV medium-voltage thyristor based static transfer switch. Since 1996, he has been a professor at Aachen University of Technology, Germany, where he leads the Institute for Power Electronics and Electrical Drives.

His main areas of research are storage systems and converters for electric vehicles, industrial applications, medium voltage custom power systems, as well as household appliances. In 2006 he was also appointed director of the E.ON Energy Research Center at RWTH Aachen University, where he also leads the Institute for Power Generation and Storage Systems.

Dr. De Doncker has published over 175 technical papers and is holder of 25 patents, with several pending. Currently, he is a member of the Board of the German engineering society VDE-ETG and the EPE Executive Council. He is past president of the IEEE PELS. He was founding Chairman of the German IEEE IAS-PELS-IES Joint Chapter. Dr. De Doncker is a recipient of the IAS Outstanding Achievements Award, the highest distinction of the IEEE IAS Society.