

ICAS



International Council of
the Aeronautical Sciences

ICAS Awards history

Daniel and Florence Guggenheim Memorial Lecture Award

- 1958 T. von Kàrman:** *"Some Significant Developments in Aerodynamics since 1946"*
- 1960 J. Ackeret,** Switzerland: *"The Role of Entropy in the Aero/Space Sciences"*
- 1962 B. K. O. Lundberg,** Sweden: *"Speed and Safety in Civil Aviation"*
- 1964 M. Roy,** France: *"Generation and Gradual Evolution of the Scientific Spirit through the Initial Works of T. von Kàrmàn"*
- 1966 M. B. Morgan,** United Kingdom: *"Some Aspects of Aircraft Evolution"*
- 1968 A. W. Quick,** Germany: *"Some New Research Results in the Field of Flows with Energy Input"*
- 1970 C. Ferrari,** Italy: *"Aerodynamic Problems of Re-entry"*
- 1972 G. Y. Nieuwland,** The Netherlands: *"Choice and Balance - Research Program in Aerodynamics in Perspective"*
- 1974 A. Kantrowitz,** Israel *"Lasers in Space and Aeronautics"*
- 1976 R. Hiscocks,** Canada: *"The Dynamics of STOL"*
- 1978 R. Smelt,** USA: *"The Role of Wind Tunnels in Future Aircraft Development"*
- 1980 E. Truckenbrodt,** Germany: *"How to Improve the Performance of Transport Aircraft by Variation of Wing Aspect Ratio and Twist"*
- 1982 G. B. Merrick,** USA *"Space Transportation Systems"*
- 1984 R. T. Jones,** USA: *"Improving the Efficiency of Smaller Commercial Transport Airplanes"*
- 1986 J. E. Fowcs William,** United Kingdom: *"The Aerodynamics Potential of Anti-Sound"*
- 1988 W. R. Sears,** USA: *"The Outlook for Wind Tunnel Testing"*
- 1990 M. Landahl,** Sweden: *"CFD and Turbulence"*
- 1992 Z. Fenggan,** China: *"Vortex Control Technology"*
- 1994 D. M. Bushnell,** USA: *"Viscous Drag Reduction in Aeronautics"*
- 1996 P. Santini,** Italy: *"Smart Structures in Aerospace Technology"*
- 1998 G. Long,** Australia: *"Future Directions in Aeronautical Composites"*

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Daniel and Florence Guggenheim Memorial Lecture Award (cont.)

2000 B. E. Launder, United Kingdom: "*CFD for Aerodynamic Turbulent Flows: Progress and Problems*"

2002 H.I.H. Saravanamutto, Canada: "*Civil Aircraft Propulsion: The last 50 years*"

2004 K. Fujii, Japan: "*Progress & Future Prospects of CFD in Aerospace - Observations from 30 years research*"

2006 G. Schänzer, Germany: "*Developments in Flight Guidance and Control*"

2008 E. Dowell, USA: "*Reduced Order Models in Unsteady Aerodynamic Models, Aeroelasticity & Molecular Dynamics*"

2010 M. Laroche, France: "*Improving Engine Development through Global Modelling*"

2012 B. Schofield, Australia: "*Collaboration Challenges in the global Aerospace Market*"

2014 S. Chernychev, Russia: "*Aeronautical research and technology development in Russia*"

2016 S. Kim, Korea: "*Structural analysis of airplane structures and aeronautical education*"

2018 H. Pereira, Brazil: "*Product Development Challenges in the Commercial Airplane Market*"

2020 Y. Wei, China: "tbd"



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ICAS - von Karman Award for International Cooperation in Aeronautics

- 1982 TORNADO** (United Kingdom, Germany, Italy)
- 1984 AIRBUS** (France, Germany)
- 1986 BOEING 767** (USA, Italy, Japan)
- 1988 VORTEX FLOW EXPERIMENT** (USA, Sweden, The Netherlands)
- 1990 CFM ENGINE** (USA, France)
- 1992 CN 235** (Indonesia, Spain)
- 1994 ETW** (France, Germany, The Netherlands, United Kingdom)
- 1996 V2500** (USA, United Kingdom)
- 1998 BOMBARDIER GLOBAL EXPRESS** (Canada, Germany, France, U.K.)
- 2000 HYPR Programme** (Japan, France, USA, U.K.)
- 2002 F/A18 Follow-on Structural Test Program** (Canada, Australia)
- 2004 GARTEUR Programme**
(Germany, France, Italy, Netherlands, Spain, Sweden, United Kingdom)
- 2006 A380 Programme** (Germany, France, Spain, UK plus others)
- 2008 BOEING 787 "DREAMLINER" Programme**
(USA, Canada, France, Italy, Japan, Korea, Sweden)
- 2010 ACARE** - Advisory Council for Aeronautics Research in Europe
- 2012 HiFire** – International Collaboration to advance the science and technology of hypersonic flight
- 2014 nEUROn Programme** – International first large stealth platform
- 2016 Airbus A350 XWB Programme** – International programme on realizing the design, manufacturing, first flight and certification of an exceptionally new wide body aircraft
- 2018 ICAF** - International Committee on Aeronautical Fatigue and Structural Integrity
- 2020 AFloNext** - Active Flow-Loads & Noise Control on next Generation Wing

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ICAS – Award for Innovation in Aeronautics

2006 R. Liebeck (U.S.A.)

ICAS – LUDWIG BÖLKOW LECTURE: "Design of the Blended-Wing-Body Subsonic Transport"

2008 A. Starik (Russia)

ICAS – JOHN SWIHART LECTURE: "Innovations in Combustion Technology for Propulsion"

2010 J.-C. Hironde (France)

ICAS – HENRI FABRE LECTURE: "Innovative Shape and Control Configurations"

2012 T. Ishikawa (Japan)

ICAS – LAWRENCE HARGRAVE LECTURE: "Lessons learned in full composite Aero-Structure"

2014 M. Fujino (Japan)

ICAS - NIKOLAI ZHUKOVSKI LECTURE: "Innovation in Aircraft Design for the HondaJet: Development of Advanced Technologies Including the Unique Over-the-Wing Engine Mount Configuration"

2016 G. Pyers (U.S.A.)

ICAS - PAUL KEUK CHANG LECTURE: "The JSF Lift System"

2018 AGILE Consortium

ICAS - CASIMIRO MONTENEGRO FILHO LECTURE: "Project AGILE"

2020 C. Combs (U.S.A.)


ICAS – LECTURE: "Electrification - The third revolution in aviation"

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ICAS - Maurice Roy Medal

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- 1988** P. POISSON-QUINTON, France
1990 J. SINGER, Israel
1992 J. SWIHART, USA
1994 A. YOUNG, United Kingdom
1996 J. WEN MEI, China
1998 R. HARRIS, USA
2000 J. ROEDER, Luxemburg
2002 J. BALAZARD, France
2003 P. SANTINI, Italy
2004 B. LASCHKA, Germany
2006 J. GREEN, United Kingdom
2008 C. GRAEBER, USA
2010 W. Kröll, Germany
2012 S. Kobayakawa, Japan
2014 J. Szodruch, Germany
2016 R. Bengelink, USA
2018 C. Champion, France
2020 A. Flaig, Germany

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ICAS - John J. Green Award

2002 P. Sagaut, France

2004 J. Bayandor, Australia

2006 L. Gimeno-Fabra, Germany

2008 H. Helm, Germany

2010 E. Itoh, Japan

2012 E. Andreev, Russia

2014 A. Orifici, Australia

2016 M. Herr, Germany

2018 E. Gowree, UK

2020 Y. Watanabe, Japan



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ICAS – IFAR Award

2016 W. Leser, USA

2018 R. Yamashita, Japan

2020 L. RV, India

In Cooperation with:



IFAR

**INTERNATIONAL FORUM
FOR AVIATION RESEARCH**



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ICAS - John McCarthy Student Award

1st Place

2nd Place

| | | |
|-------------|--|-------------------------------|
| 1990 | J. Crepeau, USA | |
| 1992 | Stuart Blank, UK | Frank Melzer, Germany |
| 1994 | Richard Miller, USA | Roxanna Agosta, USA |
| 1996 | Peter Holland, USA | Darren Rhodes, UK |
| 1998 | Mayuresh Patil, USA | Celine Pendaries, France |
| 2000 | Alexander Pechloff, Germany | Takanori Degaki, Japan |
| 2002 | Keiichi Ito, Japan | Boris Nesterenko, Russia |
| 2004 | Stefan Görtz & Joakim Möller, Sweden | Nobuhiro Yokoyama, Japan |
| 2006 | Eri Itoh, Japan | David Anisi, Sweden |
| 2008 | Alan Sutherland, South Africa | Susan Liscouet-Hanke, France |
| 2010 | Lauren Burns, Australia | Takuma Hino, Japan |
| 2012 | Two first places: Lars Ellbrant, Sweden | Adriana Andreeva-Mori, Japan |
| 2014 | Marius-Corne Meijer, South Africa | Elizna Miles, South Africa |
| 2016 | Florian Mahiddini, France | Christian Niermann, Germany |
| 2018 | Fernando Miro Miro, Belgium | Aline Dahleni Kraemer, Brazil |
| 2020 | tbd | tbd |

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ICAS – Distinguished Service Award

2008 Y. Aihara, Japan

2012 G. Backström, Sweden

2014 C. Bil, Australia

I. Grant, United Kingdom

2016 T. Ueda, Japan

2018 K. Rein Weston, USA

2020 M. Lott, Brazil

