

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*"

2021 **X.G. Zhang**, China: "*Digital Engineering Transformation and Innovation*"

2022 **A. Blom**, Sweden: "*Aeronautical Innovation – Swedish and European Perspectives*"



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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
- 2021 AFloNext** - Active Flow-Loads & Noise Control on next Generation Wing
- 2022 CleanSky2 Joint Undertaking** - Clean Sky Programme - Achievements and Clean Aviation Outlook

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ICAS – Innovation in Aeronautics

2006 R. Liebeck (USA)

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 (USA)

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

2018 AGILE Consortium

ICAS - *CASIMIRO MONTENEGRO FILHO LECTURE*: "Project AGILE"

2021 C. Combs (USA)

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

2022 E. Livne (USA)

ICAS *Enoch Thulin Lecture*: "Reflections on Active Aeroelastic Control and the Multidisciplinary Design Optimization of Aircraft"

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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
- 2021 A. Flaig, Germany
- 2022 J. Vassberg, USA

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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

2021 Y. Watanabe, Japan

2022 A. Andreeva-Mori, Japan and M. Johnson, USA

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ICAS – IFAR Award

2016 W. Leser, USA

2018 R. Yamashita, Japan

2021 L. RV, India

2022 M. Nagaraj, 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
2021	Estela Bragado, Spain	Christian Sabater, Germany
2022	Rebecca Zahn, Germany	Vitor Kleine, Sweden

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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
- 2021 M. Lott, Brazil
- 2022 K. Rein-Weston, USA
J. Yao, China
X. Zhang, China
C. Ju, China

