Covering the world of Aeronautics
The International Council of Aeronautical Sciences intends to provide regularly scheduled events and publications that enable a **better understanding of engineering science and practice and an improved level of cooperation** among aeronautical engineering professionals from around the world.
INTERNATIONAL COUNCIL OF THE AERONAUTICAL SCIENCES

MISSION

• Facilitate the exchange of ideas, information, and understanding about the body of aeronautics knowledge among the international community so that important research can proceed rapidly

• Expose the international research community to challenges and issues through lectures by leading experts in aeronautics and its technologies

• Engage young people in the global aeronautical community through special events and prizes

• Create a vibrant international network that produces increased understanding, appreciation, and tolerance among participants
• Implement our objectives through the involvement of appointed representatives of our Member Societies and the valued advice and counsel of our Associated Members

• Provide a biennial Congress to present useful, high quality work from world-wide research and technology organizations to all interested engineers and scientists

• Provide articulate experts to challenge our global community on issues of specific interest to aeronautics
• Provide supporting sessions and papers to meetings of Member Societies and Associated Members upon request

• Provide global recognition for key leaders and researchers in aeronautics through several prestigious awards

• Provide a global platform for young engineers and students to begin to develop an international network of colleagues
In 1957 Theodore von Karman founded ICAS as a non-government not-for-profit scientific organization to encourage the free international exchange of information on aeronautical research and technology.

Theodore van Karman
ICAS President 1957-1963
INTERNATIONAL COUNCIL OF THE AERONAUTICAL SCIENCES

MISSION  OBJECTIVE  HISTORY  ORGANISATION

Covering the world of Aeronautics
<table>
<thead>
<tr>
<th>Year</th>
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<td>2016</td>
<td>Korea - Daejeon</td>
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<td>2018</td>
<td>Brazil – Belo Horizonte</td>
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2005 Greece – Mykonos
Towards a global vision for Aviation Safety and Security

2007 Spain – Seville
Advanced Materials & Manufacturing: Certification and Operational Challenge

2009 The Netherlands - Amsterdam
UAV Airworthiness – certification and access to the airspace

2011 Sweden – Stockholm
Advanced Materials & Manufacturing: Certification and Operational Challenges

2013 South Africa – Capetown
The More Electrical Aircraft: Achievements & perspectives for the future

2015 Poland – Krakow
Complex Systems Integration in Aeronautics

2017 Switzerland – Winterthur
Topic: tbd
ICAS Organisation

**ICAS Main Bodies**
- ICAS Council
- ICAS Executive Committee (EC)
- ICAS Programme Committee (PC)

**Regulatory Documents**
- ICAS Statutes
- ICAS Internal Regulations

Covering the world of Aeronautics
ICAS Council

• “ICAS General Assembly”
• Representation of the Members
• Members of the ICAS EC can not be representatives in the Council
• ICAS President is Chair of the Council Meeting with no vote, except in case of a tie
• Council Meetings are held at the Congress
ICAS Executive Committee (EC)

- “ICAS Management”
- Appointed by the Council
- Voted for a two-year-cycle
- Meet at least twice a year
ICAS Executive Committee (EC)

- Five Officers:
  - President
  - Past President
  - Treasurer
  - Chair of the Programme Committee
  - Executive Secretary

- Chair of the Honorary Fellows Advisory Group
- Plus not more than eight additional members
Current ICAS Executive Committee (EC)

- President: Christian Mari, France
- Chair Programme Committee: Susan Ying, U.S.A.
- Treasurer: Gunnar Holmberg, Sweden
- Past President: Murray Scott, Australia
- Executive Secretary: Axel Probst, Germany
Current ICAS Executive Committee (EC)

- Chair of the Honorary Fellows Advisory Group: Fred Abbink 🇳🇱
- Chair of the Programme Planning Sub-Committee: Shinji Suzuki 🇯🇵
- Chair of the Strategic Planning Sub-Committee: Dimitri Mavris 🇺🇸
- Chair of the Members & External Relations Sub-Committee: Joao Azevedo 🇧🇷
- Members at Large: Michel Peters 🇳🇱, Chris Atkin 🇬🇧, Alexander Filatyev 🇷🇺, Rolf Henke 🇩🇪
- Associated to ICAS EC 2016: Jinsoo Cho 🇰🇷
ICAS Programme Committee (PC)

- "ICAS Work-Committee"
- Meets every year
- Members are chosen by qualification (industry & academia)
INTERNATIONAL COUNCIL OF THE AERONAUTICAL SCIENCES

MISSION OBJECTIVE HISTORY

ORGANISATION ICAS MAIN BODIES

F. J. Abbink, The Netherlands
G. A. Amiryants, Russia
C. Atkin, United Kingdom
J.L.F. Azevedo, Brazil
J. Bayandor, Australia
E. Belo, Brazil
E. Bigarella, Brazil
C. Bil, Australia
Ch. Breitsamter, Germany
L. M. B. C. Campos, Portugal
F. Collier, U.S.A.
C. Y. Chun, China
R. Del Rosario, U.S.A.
H. Djojodihardjo, Indonesia
A. Filatyev, Russia
B. Fredriksson, Sweden
Y. Fu, China
S. Fu, China
Z. Gao, China
T. Goetzendorf-Grab., Poland
Z. Goraj, Poland

J.H. Han, Korea
M. Harigae, Japan
F. Haselbarch, UK
R. Henke, Germany
G. Holmberg, Sweden
A. Isikveren, Australia
E. Itoh, Japan
L. Jiang, China
M. Kanerva, Finland
Y. Kim, Korea
B. Kimmel, USA
P. Krus, Sweden
B. Laschka, Germany
L. Manfriani, Switzerland
C. Mari, France
D. Mavris, USA
J. Melkert, The Netherlands
Ch. Michaut, France
A. Mirzoyan, Russia
J. S. Monk, South Africa
D. Mueller-Wiesner, Germany

F. Ogilvie, United Kingdom
A. Orifici, Australia
F. Persiani, Italy
M. Peters, The Netherlands
A. Pistek, Czech Republic
O. Rand, Israel
B. Rasuo, Serbia
S. Remy, France
K. Rein-Weston, USA
S. Ricci, Italy
K. Rinoie, Japan
J. Rohàcs, Hungary
O. Saarela, Finland
M. Scott, Australia
L. Smrcek, United Kingdom
M. Snitch, U.S.A.
B. Stoufflet, France
E. Stumpf, Germany
S. Jian, China
S. Suzuki, Japan
J. Szodruch, Germany

M. Tavares, Brazil
H. Toebben, Germany
T. Tsitินidis, Greece
T. Ueda, Japan
N. Voevodenko, Russia
T. Wan, Taiwan, China
W. Wang, China
S. Ying, USA
S. Zan, Canada
X. Zhang, China
Y.Z. Zhang, China

as of April 2016
ICAS Statutes

STATUTES
of the Association
INTERNATIONAL COUNCIL OF THE AERONAUTICAL SCIENCES
Brisbane, September 26, 2012

ICAS Internal Regulations

Related to the ICAS Statutes adopted in 2012
Internal regulations modified Sept 2014 (section IR(C)-01) due to Council decision about new membership fee structure.
• ICAS Honors & Awards Sub-Committee
  Chair: ICAS Past President

• ICAS Finance Sub-Committee
  Chair: ICAS Treasurer

• ICAS Strategic Planning Sub-Committee (SPSC)
  Chair: individually chosen from EC

• ICAS Membership & External Relationship Sub-Committee (MERSC)
  Chair: individually chosen from EC

• ICAS Student Awards Selection Sub-Committee
  Chair: individually chosen from EC

• ICAS Young Professionals Sub-Committee
  Chair: individually chosen from EC
ICAS Permanent Secretariat

• ICAS Executive Secretary
• ICAS Coordinator
• Always hosted by an ICAS Member
INTERNATIONAL COUNCIL
OF THE AERONAUTICAL SCIENCES

MISSION OBJECTIVE HISTORY

ORGANISATION ASSOCIATE MEMBERS
### Decision of venue of the Congress: 4 years prior (2012 for 2016)

#### Odd year (e.g. 2015)
- February: Call for Papers
- April: Proposals for Congress Venues +5 years (e.g. 2020)
- May: EC Meeting
- September: PC Meeting
- November: Acceptance of authors
- December: Agreement signed

#### Even year (e.g. 2016)
- February: Letters to invited authors
- March: Release of the Preliminary Programme
- May: EC Meeting
- June: Paper Review
- September: Congress
INTERNATIONAL COUNCIL OF THE AERONAUTICAL SCIENCES

ICAS 2016

30th Congress of the International Council of the Aeronautical Sciences

25 (Sun.) – 30 (Fri.) September, 2016
Daejeon Convention Center (DCC), Daejeon
Aircraft and System Integration
Aerodynamics – CFD Methods and Validation
Experimental Aerodynamics
Basic Fluid Dynamics and Flow Control
Applied Aerodynamics
Materials issues, Fatigue and Damage tolerance
Structural Analysis and Design, Structural Dynamics, Aeroelasticity
Propulsion and Energy
Flight Dynamic and Control (Control and Modeling)
Flight Dynamics and Control (UAV & Flight Experiment related)
Systems, Subsystems and Equipment
Manufacturing and Supply Chain Management
Air Transport System Efficiency
Safety and Security
Challenge of the Environment
Operations and Sustainment
ICAS Daniel and Florence Guggenheim Award

ICAS von Karman Award for International Cooperation in Aeronautics

ICAS Award for Innovation in Aeronautics
ICAS Maurice Roy Medal

ICAS John J. Green Award

ICAS IFAR Award

ICAS John Mc Carthy Student Award
ICAS Honorary Fellowship

ICAS Award for Distinguished Service to ICAS
<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Year</th>
<th>Name</th>
<th>Country</th>
<th>Year</th>
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<tr>
<td>B. J. Laschka</td>
<td>DE</td>
<td>2002</td>
<td>F. Abbink</td>
<td>NL</td>
<td>2010</td>
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<td>C. Dousset</td>
<td>FR</td>
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<td>I. Poll</td>
<td>UK</td>
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<td></td>
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<td>D. Müller Wiesner</td>
<td>DE</td>
<td>2014</td>
</tr>
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</table>
How do we know the latest issues and hot topics in global aeronautical sciences?

Who do we network to gain knowledge of the state-of-the-art developments?

What are the latest and greatest innovations and achievements by the aeronautical communities including industry, academia, and research laboratories?
THE VALUE OF ICAS

ICAS provides a *global* support network to each of its Member and Associate Members. Through these societies it provides access to leading members of the world-wide aeronautical engineering community.

Through its *global* meetings and programs ICAS provides an opportunity for students and young engineers to develop an international network of colleagues and peers.

ICAS provides significant coverage of the financial risk for the local society involved in the sponsorship of a biennial Congress.
ICAS currently serves as the only world-wide supernational organization to represent aeronautical engineering professional societies and associated organizations and their members in 32 countries.