



## **RULES FOR ICAS HONOURS AND AWARDS**

### **General**

A. The International Council of the Aeronautical Sciences may endow at its discretion honours and awards to those individuals whose contribution to science, technology, system integration, project management or leadership in aeronautics has been of outstanding merit and, in addition, to those who have fostered international co-operation between people or on projects in an exceptional way. The honours and awards may be associated with distinguished and named lectures or they may be accompanied by the presentation of medals, pins, etc.

B. The ICAS honours and awards at the present time are as follows:

1. Daniel and Florence Guggenheim Memorial Lecture in the Aeronautical Sciences
2. ICAS - von-Karman Award for International Cooperation in Aeronautics
3. ICAS - Maurice Roy Medal
4. ICAS - John J. Green Award
5. ICAS - John McCarthy Student Awards
6. ICAS – Honorary Fellowship
7. ICAS – Award for Innovation in Aeronautics
8. ICAS – Award for Distinguished Service to ICAS

The past awardees are listed in the Appendix.

C. Responsibility for ensuring that appropriate procedures are followed in selecting the recipients of awards is entrusted to an ICAS Honours and Awards Committee, established by the ICAS President in consultation with the Executive Committee. The Committee shall consist of:

- one member of the Executive Committee (EC)
- one member of the Council not being a member of the EC
- one member of the Programme Committee
- one additional member who as a rule is one of the previous ICAS Presidents (normally the immediate Past President) and who will act as the chairman

D. The term of office of members of the Honours and Awards Committee runs from one Congress to the next. The term can be renewed for a further period of two years up to a maximum of six years service. In the event of a vacancy arising on the Committee in the period between Congresses the Executive Committee is empowered to fill it by appointment.

E. The timetable for soliciting nominations and deciding on awards is agreed between the EC and the Chairman of the Committee. The Chairman, with the support of the Executive Secretary, takes steps to ensure that nominations are submitted by proposers, in an appropriate standard format, in due time and are properly evaluated by the Committee. He submits a written report, giving the result of the Committee's screening process and its various recommendations, together with copies of the submitted nominations, to the Executive Committee.

F. The ICAS Honours and Awards Committee considers all honours and awards with the exception of the ICAS John McCarthy Student Awards for which a separate procedure is adopted.



## **1. Daniel and Florence Guggenheim Memorial Lecture Award**

- 1.1 ICAS has established the Memorial Lecture as its Distinguished Lectureship Award in recognition of the initiative and the great support received from the "Daniel and Florence Guggenheim Memorial Fund for the Promotion of International Co-operation in the Aeronautical Sciences" when ICAS was founded in 1957.
- 1.2 The Lecture is delivered at each ICAS Congress, usually as the central part of the opening ceremony of the Congress.
- 1.3 The Distinguished Lectureship Award is intended primarily to recognise and honour a scientist or engineer of eminence who in a long and productive career has made a significant contribution to progress in aeronautics.
- 1.4 The ICAS Executive Secretary invites all Member Societies, Council Members and Executive Committee Members to submit proposals for the Lecturer to the ICAS Secretariat by the due date for submission of abstracts for the next ICAS Congress.
- 1.5 The Honours and Awards Committee considers the proposals and brings forward a slate of nominees to the Executive Committee, together with an assessment of their relative merit, in time for consideration at the Executive Committee meeting immediately preceding the screening of abstracts for the next Congress.
- 1.6 The Executive Committee decides upon the Lecturer by simple majority voting, taking into account the evaluation of the nominations by the Honours and Awards Committee. The Chairman of the Honours and Awards Committee or a spokesman for the Committee attends the EC meeting at which the Lecturer is chosen. When two or more nominations are of comparable merit and one of them is from the country which hosts the Congress, that nominee will normally be selected.
- 1.7 The Lecturer receives an honorarium from ICAS together with a scroll (based on material provided by the recommending Member) setting out the achievements which have merited the Award.
- 1.8 An electronic version of the lecture should be made available to ICAS in time for it to be included as the lead paper in the Congress Proceedings.



## **2. ICAS-von Karman Award for International Cooperation in Aeronautics**

2.1 ICAS founded the Award in 1980 in memory of Theodore von Karman, who was the leading figure in the foundation of ICAS and an outstanding proponent of international collaboration in the aeronautical sciences. Its purpose is to acknowledge exceptional achievement in international cooperation in the field of aeronautics, being awarded to a project or programme in which two or more countries are major participants and which is characterized by substantial technical achievement, scientific or technological advance or benefit to society.

2.2 The Award is presented to a team made up of a representative of each participating country, nominated by that country as a leading contributor to its part in the project or programme.

2.3 The ICAS Executive Secretary invites all Member Societies, Council Members and Executive Committee Members to submit proposals for the Award to the ICAS Secretariat by the due date for submission of abstracts for the next ICAS Congress.

2.4 The Honours and Awards Committee considers the proposals and brings forward a slate of nominees to the Executive Committee, together with an assessment of their relative merit, in time for consideration at the Executive Committee meeting immediately preceding the screening of abstracts for the next Congress.

2.5 The Executive Committee decides upon the award by simple majority voting, taking into account the evaluation of the nominations by the Honours and Awards Committee. The Chairman of the Honours and Awards Committee or a spokesman for the Committee attends the EC meetings at which this decision is taken.

2.6 The Award takes the form of a medal showing the profile of Theodore von Karman. The names of the team members and the year of the Award are engraved.

2.7 The presentation of the Award is made immediately after a lecture on the project or programme which is given by one or more members of the Award-winning team. The von Karman Lecture is usually the last major event of the ICAS Congress, being followed immediately by the closing ceremony.

2.8 An electronic version of the Lecture should be made available to ICAS in time for it to be included in the Congress Proceedings.

### **3. ICAS - Maurice Roy Award**

3.1 The Award was founded together by ICAS and the French Aerospace Society AAAF in 1986 in memory of Maurice Roy, who was one of the Founding Members, President and Honorary President of ICAS. Its purpose is to honour persons of distinction who have an exceptional record in fostering international cooperation between scientists by their personal participation and involvement in aeronautics.

3.2 The Award is usually presented at the ICAS Congress to a single person.

3.3 The ICAS Executive Secretary invites all Member Societies, Council Members and Executive Committee Members to submit proposals for the Award to the ICAS Secretariat by the due date for submission of abstracts for the next ICAS Congress.

3.4 The Honours and Awards Committee considers the proposals and brings forward a slate of nominees to the Executive Committee, together with an assessment of their relative merit, in time for consideration at the Executive Committee meeting immediately preceding the screening of abstracts for the next Congress.

3.5 The selection committee for the Award consists of the Executive Committee and one representative of the AAAF who may be a member of the EC. The election is by simple majority voting, taking into account the evaluation of the nominations by the Honours and Awards Committee. The Chairman of the Honours and Awards Committee or a spokesman for the Committee attends the EC meeting at which the election is made.

3.6 The Award takes the form of a medal showing the profile of Maurice Roy. The name of the recipient and the year of the Award are engraved.

3.7 No current member of any ICAS body which is involved in the election process may be considered for the Award



#### **4. ICAS - John J. Green Award**

4.1 The Award was founded by ICAS in 2001 in memory of John J. Green who was one of the Founding Members and President of ICAS. Its purpose is to honour young persons of distinction who are demonstrating an exceptional record in fostering international cooperation between scientists by their personal participation and involvement in aeronautics.

4.2 The Award is presented at the ICAS Congress to an individual who was 35 years of age or younger at the deadline date for the Award nomination.

4.3 The Award recipient will be invited to serve on the Program Committee through the next Congress. Award recipients, depending on their performance and contributions to the Program Committee, could be invited to continue beyond the next ICAS Congress. The invitation to continue to stay will be sent via the member society of the award recipient asking for their approval and support.

4.4 The ICAS Executive Secretary invites all Member Societies, Council Members and Executive Committee Members to submit proposals for the Award to the ICAS Secretariat by the due date for submission of abstracts for the next ICAS Congress.

4.5 The Honours and Awards Committee considers the proposal and brings forward a slate of nominees to the Executive Committee, together with an assessment of their relative merit, in time for consideration at the Executive Committee meeting immediately preceding the screening of abstracts for the next Congress.

4.6 The selection committee for the Award consists of the Executive Committee. The election is by simple majority voting, taking into account the evaluation of the nominations by the Honours and Awards Committee. The chairman of the Honours and Awards Committee or a spokesman for the Committee attends the EC meeting at which the election is made.

4.7 The Award takes the form of a stipend (1000 EUR) and a certificate with the name of the recipient, the year of the Award, the Award name and the ICAS logo.

4.8 No current member of any ICAS body which is involved in the election process may be considered for the Award.



## 5. ICAS - John McCarthy Student Award

5.1 The ICAS McCarthy Award is established for students working in scientific research in aeronautics.

5.2 The Award is offered by Mrs Camille McCarthy, the widow of Professor John McCarthy Jr. Professor McCarthy served for several years as a member of the International Programme Committee of ICAS and, in his professional life, gave great impetus to the promotion of younger scientists.

5.3 The Award or Awards, consisting of a certificate and a stipend, will be given to the author (or authors, should there be more than one who satisfies the qualifying criteria) of the paper the quality of content and presentation of which is judged to be the best or second best of the student papers presented at the Congress.

5.4 Mrs McCarthy will advise the ICAS Executive Committee of the value of the stipend for the next Congress at the meeting of the Programme Committee at which papers for that Congress are screened. At that time the Executive Committee will agree with Mrs McCarthy on the number and value of Awards to be made. Should it prove difficult at the Congress to make a choice between papers of similar merit, the Award or Awards may, at the discretion of the judges, be divided equally between more than one recipient.

5.5 In order to qualify for the Awards:

- The principal author must be an undergraduate or postgraduate student who has not completed doctorate studies by the date of the Congress. If there are joint student authors, each must satisfy this criterion to qualify for the Award.

- The author(s) must submit the manuscript of the paper to the ICAS Secretariat before the deadline for papers to be included in the Congress, together with a letter from an official of the educational institution certifying that the paper is the original work of the candidate(s) and has been completed during the course of the studies of the candidate(s) within the past two years.

- One of the student authors must attend the Congress and present the paper in person.

5.6 The recipients of the Awards will be selected by a Committee composed of:

- a. Mrs Camille McCarthy
- b. The Chairman of the Programme Committee ex officio
- c. A member of the ICAS Executive Committee, nominated by the ICAS President
- d. PC member(s) dedicated to the Student paper follow up at the congress

5.7 The Committee will base its decision solely on the scientific merit of the candidate papers and the quality of their presentation. No reference will be made to the curricula vitae of the candidates.

5.8 The Award(s) will be presented to the winner(s) by Mrs McCarthy at the Congress banquet following the Student Finalist Session on Thursday.



## 6. ICAS Honorary Fellowship

6.1 At its discretion the Council may grant the status of ICAS Honorary Fellow, by simple majority vote, to individuals who in the opinion of the Council have distinguished themselves by virtue of their exceptional personal contributions, or through exceptional service to the objectives of ICAS over an extended period of time.

6.2 Nominations for Honorary Fellows are requested from the Council, the Executive Committee, and the Honorary Fellows Advisory Group. These nominations are reviewed by the Honours and Awards Committee with recommendations to the Executive Committee. The Executive Committee considers the recommendations of the Honours and Awards Committee and recommends the nominations to the Council for approval.

6.3 Honorary Fellows shall be invited to attend meetings of the Council as non-voting observers.

6.4 Honorary Fellows are members of the "ICAS Honorary Fellows Advisory Group", whose Chairman shall become an ex-officio member of the Executive Committee.

6.5 Honorary Fellows are invited to attend ICAS Congresses without paying registration fee and are invited to the banquet as non-paying guests.

6.6 Honorary Fellows are listed on the ICAS website.

*Standing guideline: It has become a practice that all Past Presidents and Executive Secretaries of ICAS are proposed to the Council as Honorary Fellows at such time as they terminate their activity on the Executive Committee. If a Past President has announced his intention to leave the Executive Committee after a given ICAS Congress, he should be proposed as Honorary Fellow to the Council meeting of that same Congress. This does not preclude the Honours and Awards Committee from recommending others for Honorary Fellowship.*



## 7. ICAS Award for Innovation in Aeronautics

1. ICAS established the Award for Innovation in Aeronautics in 2006 to recognize contributions of an individual or a team in effectively integrating a suite of advanced technologies, combined with new design and/or manufacturing processes, to create a new aeronautical system with significant worldwide impact. This impact may have been realized at the time of the award, or it may be a future impact that can be anticipated as a result of the achievement of the recipient(s). The recipient(s) may have acted in the role of Chief Scientist, Chief Engineer, Program Manager, or in some other business or management role where the impact of their personal contribution in creating new capabilities in aeronautical systems by exploiting advanced technologies must be clear and direct.

2. The recipient will deliver a lecture at the ICAS Congress. The lecture will be named after a person (N.N.) that the host society for the particular ICAS Congress wants to honour (a national pioneer/innovator) and will be called the ICAS N. N. Lecture for Innovation in Aeronautics. The name of the lecture will hence change from congress to congress. The Award will be presented immediately after the Lecture is delivered.

3. The Award and Lecture is intended primarily to recognize and honour a scientist, engineer or manager (or a small, clearly identified team of scientists or engineers) of eminence who has/have made a significant contribution to the progress in aeronautics, as gauged by the development of aeronautical systems with substantially improved capabilities compared with the previous generation of systems.

4. The ICAS Executive Secretary invites all Member Societies, Council Members and Executive Committee (EC) Members to submit proposals for the Award recipient to the ICAS Secretariat by the due date for submission of abstracts for the next ICAS Congress.

5. The Honours and Awards Committee (H&AC) considers the proposals and brings forward a slate of nominees to the EC together with an assessment of their relative merit, in time for consideration at the EC meeting immediately preceding the screening of abstracts for the next Congress.

6. The EC decides upon the Award recipient by simple majority voting, taking into account the evaluation of the nominations by the H&AC. The Chairman of the H&AC or a spokesman for the Committee attends the EC meeting at which the Award recipient is chosen.

7. The Award takes the form of a certificate setting out the achievements that have merited the Award together with a medal. In addition, the host society may also honour the national pioneer/innovator in Aeronautics (N.N.) with a recognition of its choice.

8. An electronic version of the Lecture should be made available to ICAS in time to be included in the Congress Proceedings.

## **8. ICAS – Award for Distinguished Service to ICAS**

8.1 The ICAS Distinguished Service Award was established by ICAS in 2006 to honour an individual who has made a significant contribution or provided an exceptional service that helped to advance the vision and goals of ICAS. This contribution or service should be provided as a member of the ICAS organisation including committees or subcommittees, the Council, and the local Congress organising committee. The recipient of this Award could receive this award more than one time.

8.2 The Award is internal within ICAS. Nominees must be proposed by a member of any of the ICAS committees or subcommittees, the Council, or by one of the ICAS officers or Honorary Fellows. The award is intended for those persons who are not likely to become an ICAS Honorary Fellow; however, the recipients of this award are not excluded from being selected as Honorary Fellow. More than one Award for Exceptional Service can be given at an ICAS Congress and should be given as appropriate and necessary.

8.3 The Award is presented at the ICAS Congress.

8.4 The ICAS Executive Secretary invites all members of ICAS committees and subcommittees, the Council, Honorary Fellows, and officers to submit proposals for the Award to the ICAS Secretariat in due time for the Honours and Awards Committee meeting at the time for the “selection of abstracts PC meeting”.

8.5 The Honours and Awards Committee considers the proposals and brings forward a slate of nominees to the Executive Committee, together with an assessment of their relative merit, in time for consideration at the Executive Committee meeting immediately preceding the next Congress.

8.6 The selection committee for the Award consists of the Executive Committee. The election is by simple majority voting, taking into account the evaluation of the nominations by the Honours and Awards Committee. The chairman of the Honours and Awards Committee or a spokesman for the Committee attends the EC meeting at which the elections are made.

8.7 The Award takes the form of a certificate with the name of the recipient, the year of the Award, the Award name and the ICAS logo and signed by the ICAS President.



## LIST OF RECIPIENTS OF ICAS AWARDS

### 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 Kàrman"

**1966 M. B. Morgan, UK**

"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 - A 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, UK**

"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"

**2000 B. E. Launder, UK**

"CFD for Aerodynamic Turbulent Flows: Progress and Problems"

**2002 H.I.H. Saravanamuttoo, Canada**

"Civil Aircraft Propulsion: The last 50 years"

**2004 K. Fujii, Japan**

"Progress and 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 and Molecular Dynamics"

### ICAS - Maurice Roy Medal

**1988 P. POISSON-QUINTON** (France)

**1990 J. SINGER** (Israel)

**1992 J. SWIHART** (U.S.A.)

**1994 A. YOUNG** (United Kingdom)

**1996 J. WEN MEI** (China)

**1998 R. HARRIS** (U.S.A.)

**2000 J. ROEDER** (Luxemburg)

**2002 J. BALAZARD** (France)

**2003 P. SANTINI** (Italy)

**2004 B. LASCHKA** (Germany)

**2006 J. GREEN** (UK)

**2008 C. GRAEBER** (U. S. A.)

## ICAS - von Karman Award for International Cooperation in Aeronautics

- 1982 TORNADO** (United Kingdom, Germany, Italy)
- 1984 AIRBUS** (France, Germany)
- 1986 BOEING 767** (U.S.A., Italy, Japan)
- 1988 VORTEX FLOW EXPERIMENT** (U.S.A., Sweden, The Netherlands)
- 1990 CFM ENGINE** (U.S.A., France)
- 1992 CN 235** (Indonesia, Spain)
- 1994 ETW** (France, Germany, The Netherlands, United Kingdom)
- 1996 V2500** (U.S.A., United Kingdom)
- 1998 BOMBARDIER GLOBAL EXPRESS** (Canada, Germany, France, United Kingdom)
- 2000 HYPR Programme** (Japan, France, U.S.A., United Kingdom)
- 2002 F/A18 Follow-on Structural Test Program** (Canada, Australia)
- 2003 X-31 Demonstrator Aircraft Project** (Germany, U.S.A.)
- 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** (U.S.A., Canada, France, Italy, Japan, Korea, Sweden)

## ICAS - John J. Green Award

- 2002 F. Mavriplis** (Canada)
- 2004 J. Bayandor** (Australia)
- 2006 L. Gimeno-Fabra** (Germany)
- 2008 H. Helm** (Germany)

## 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"