

ICF-The World Academy of Structural Integrity



Executive Committee (2009 - 2013)

Founder President: T. Yokobori (Japan)
President: Alberto Carpinteri (Italy)
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Secretary-General: A.T. Yokobori, Jr (Japan)
Treasurer: D.M.R. Taplin (UK)

ICF-13 Awards Report

Respectfully submitted by

Ashok Saxena, Chair

On behalf of the ICF-WASI Awards Committee

September 22, 2012

A formal awards program to recognize excellence in fracture research and service to the community was first initiated during ICF12 in Ottawa (2009) with the institution of three Gold Medals named after founder President T. Yokobori, Prof. George Irwin and Sir Alan Cottrell, all well-known and highly respected people for their contributions to the field of fracture in the Twentieth Century. Recently, a gold medal was added to honor the contributions of Prof. Paul C. Paris and a silver medal to honor the memory of Dr. Constance Tipper, one of the very early women pioneers in the field of fracture. In addition, ICF-WASI has also continued the program initiated in 1977 at ICF4 in Waterloo to induct honorary fellows with a name change. The Council of fellows is now known as the Academy that will induct Academicians instead of Fellows. The previously inducted Fellows were grand-fathered as Academicians. In May 2011, recognizing that these awards are given out only once in four years, the Executive Committee of ICF-WASI authorized the Awards Committee to select up to three medal winners in each category to address the back log of candidates deserving of such recognition.

The tradition of recognizing Best Papers and Best Papers by Young Authors that was that was first initiated at ICF6 in New Delhi but discontinued until formally revived at ICF12 will continue in ICF13. The winners of this competition will be chosen among the papers presented at ICF13 and will be announced at the closing ceremony.

The Awards committee of ICF-WASI is pleased to announce the winners of the Yokobori, Cottrell, Irwin and Paris Gold Medals, Tipper Silver Medals, new ICF-WASI Academicians and Emeritus Awards to be presented at ICF13 in Beijing, June 16-21, 2012.

The nominations for the various awards were received from the fracture research community around the world that responded to solicitations via extensive e-mail lists and the website of ICF-13. The selections were made by a committee appointed by the ICF-WASI President, Prof. Alberto Carpinteri and consisted of the following members:

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Prof. Ashok Saxena, Chair, USA
Prof. Paul C. Paris, USA
Prof. Robert O. Ritchie, USA
Dr. Masaki Kitagawa, Japan
Prof. Christina Berger, Germany
Prof. Andre Pineau, France
Prof. Robert Goldstein, Russia
Dr. R. Sunder, India
Prof. Xiqiao Feng, China

The Awards Committee considered all the nominees and made multiple awards in each category only when the technical and service contributions to fracture research and to ICF-WASI were considered to be of equal value for the individuals in each category. The Committee also attempted to achieve geographical balance recognizing the global nature of the community. The names of awardees selected are as follows:

2013 Takeo Yokobori Gold Medals:

Prof. P. Rama Rao (India)
Prof. Yiu-Wing Mai (Australia)
Prof. Teruo Kishi (Japan)

Previous Winner(s)

Prof. D.M.R. Taplin, UK (2009)

2013 Alan Cottrell Gold Medals:

Prof. John Knott (UK)
Prof. Subra Suresh (USA)

Prof. Robert O. Ritchie, USA (2009)

2013 George Irwin Medals:

Prof. James R. Rice (USA)
Prof. John W. Hutchinson (USA)

Prof. Paul C. Paris (USA), 2009

2013 Paul C. Paris Gold Medals:

Prof. Alberto Carpinteri (Italy)
Prof. Y. Murakami (Japan)

2013 Constance Tipper Silver Medals:

Prof. Julia King (UK)
Prof. Diane Lados (USA)
Prof. Namrata Gundiah (India)

2013 Class of ICF-WASI Academicians:

Prof. Claude Bathias (France)
Prof. A.T. Yokobori (Japan)
Prof. S.D. Antolovich (USA)

See attached List in Appendix A

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Prof. T.Y. Zhang (China)

Prof. Wei Yang (China)

Emeritus Awards:

Dr. M. Kitagawa, Japan, Secretary General Emeritus

See attached list in Appendix B

Prof. Bhushan Karihaloo, UK, Vice President Emeritus

Recommendations for the Future:

The awards committee is very pleased with the outcome of the process that led to an outstanding slate of award winners. The committee extends its heartiest congratulations to all the winners and hopes that all the winners will be able to attend ICF13 to personally receive the awards. Going forward, some recommendations are provided in the spirit of continuous improvement of the process to ensure that the awards program becomes even more prestigious with time:

1. The Chair of the Awards Committee should be a Vice-President or the most recent former President of the Academy to give the Program the importance it deserves. If necessary, a new Vice-President position in the Ex-Co should be created if the person chosen for the position is not already a Vice-President or the most recent former President of the Academy.
2. Currently, the synergy between the award winners and plenary/honor lectures depends only on chance. Opportunities are being missed to proactively attract the best people to become more involved with ICF quadrennials. A very strong participation of the Local Organizing Committee in the Awards Committee can be very beneficial in a number of ways and should be ensured in the future. It will be highly beneficial to finish the selection of the gold and silver medals approximately one year before the quadrennial conference so all gold medalists can be invited to deliver honor/plenary lectures and silver medalists can be invited as keynote lectures with sufficient time for them to make plans to attend the conference.
3. The management of the Awards Program should be made a part of the MOU between ICF-WASI and the Local Organizing Committee.
4. Going forward, the committee should include as many previous award winners as possible. The members of the committee should be urged to be objective in their selection of winners with only considerations being given to (a) outstanding research contributions (b) outstanding service contributions to ICF and the Fracture Community and (c) geographical balance.
5. All committee members should themselves be very active in soliciting nominations of outstanding candidates for the medals.
6. The Committee members were and should continue to be excluded from being candidates themselves for any medals.
7. The Awards Committee functioned as an autonomous committee that reported to the Executive Committee. This function should be institutionalized by appropriate changes in the by-laws. If such autonomy can also be assured in the future, there should be no reason to exclude the Academy Officers from being candidates for the awards. Since these awards are made every four years, it is not in the best interest of ICF-WASI to exclude its officers from being candidates because (a) the pool of candidates will be

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depleted and (b) some prominent researchers may stay away from being involved in the Executive Committee so they are not automatically excluded from being candidates for awards.

Appendix A

List of ICF-WASI Academicians

Class of 1977

1. B. Averbach*
2. T. Yokobori
3. A. Kochendorfer*
4. R.W. Nichols*
5. D.M.R. Taplin

Class of 1979

6. H. Liebowitz*
7. G.C. Sih

Class of 1981

8. B.A. Bilby
9. J.R. Rice
10. G.R. Irwin*
11. T. Kawasaki

Class of 1983

12. A.S. Argon
13. M.F. Ashby
14. A.J. Carlsson
15. D. Francois

Class of 1984

16. A.H. Cottrell
17. T. Kanazawa*
18. Y. Rabatnov
19. J. Nemeč
20. Zheng Zhimin
21. J. F. Knott
22. S.R. Valluri
23. F. Kerkof

Class of 1986

24. S.N. Zhurkov*

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Class of 1989

25. G.P. Cherapnov
26. A.A. Wells*
27. J. L. Swedlow*
28. F.A. McClintock*
29. J.W. Hutchinson
30. P.C. Paris
31. R.O. Ritchie
32. M.L. Williams

Class of 1993

33. R.V. Goldstein
34. A.G. Evans*
35. S. N Atluri
36. V.V. Panasyuk
37. K.S. Salama
38. A. Pineau

Class of 1997

39. A.K. Head*
40. W.G. Knaus
41. K.J. Miller*

Class of 2001

42. W.W. Gerberich
43. K.C. Hwang
44. K. Ravi-Chandar
45. B.L. Karihaloo
46. Y.-W. Mai

Class of 2005

47. Leslie Banks-Sills
48. Gordon Williams
49. Robert Dodds
50. Fazel Erdogan
51. Albert Kobayashi
52. Brian Lawn
53. Shouwen Yu

Class of 2009

54. G.I. Barenblatt
55. Alberto Carpinteri

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56. M. Elboujdaini
57. David Embury
58. E. Gdoutos
59. A. Ingrassia
60. A. Kelly
61. A. J. McEvily
62. A. Saxena

Class of 2011

63. Dr. Masaki Kitagawa
64. Dr. Teruo Kishi

*deceased

51 living Academicians

List of Previous Emeritus Awards

President Emeritus

1. Professor Takeo Yokobori
2. Professor David M. R. Taplin
3. Professor John Knott
4. Professor Dominique Francois
5. Professor Palle Rama Rao

Vice-President Emeritus

1. Professor Kamel Salama
2. Professor V. Panasyuk
3. Professor Teruo Kishi
4. Professor Robert Goldstein
5. Professor Hwang Keh-Chih

Secretary-General Emeritus

1. Dr. Tadashi Kawasaki

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