

INVITED KEYNOTE LECTURES (1985-on)

1. *Symposium on Recent Advances in Computational Mechanics, ASME Applied Mechanics Conference*, "Finite Element Calculation of Rotational Flows in Transonic and Supersonic Turbomachinery", Albuquerque, NM, June 24-26, 1985.
2. *Workshop on Computational Fluid Dynamics*, "Finite Element Solutions of the Compressible Navier-Stokes Equations", University of California-Davis, June 18, 1986.
3. *Aerodynamic Symposium on CFD*, "On the Solution of High-Speed Turbomachinery Flows by the Finite Element Method", CASI, Toronto, May 25, 1987.
4. *Debate Panel at Supercomputer Forum III*, "Is Mainframe Supercomputing Still a Viable Option for Canadian Science and Engineering", Ottawa, January 15, 1990.
5. *9th Canadian Symposium on Fluid Dynamics*, University of Western Ontario, London, Ontario, June 1990.
6. *CFD Society of Canada*, Inaugural Address, Montreal, June 1993.
7. *10th International Conference on Numerical Methods in Laminar and Turbulent Flow*, Stanford, USA, July 1993.
8. *5th FIDAP Users Conference*, "NewMiracle Methods for Colorful Fluid Dynamics", Fluid Dynamics International Inc., Chicago, USA, May 1993.
9. *World User Association in Applied CFD, Fluid Dynamics Days '94*, "CFD in Turbomachinery", Basel, Switzerland, May 1994.
10. *Workshop on CFD in Turbomachinery Design*, "The Impact of Computational Fluid Dynamics in Turbomachinery Design", Concepts ETI, Wilder, USA, March 1995.
11. *9th International Conference on FEM in Fluids*, Venice, Italy, October 1995.
12. *World User Association in Applied CFD, Fluid Dynamics Days '96*, "Progress and Outlook for CFD in Turbomachinery", Freiburg, Germany, May 1996.
13. *Workshop on Barriers and Challenges in Computational Fluid Dynamics*, "Anisotropic Mesh Adaptation: A Step towards a Grid-independent and User-independent CFD", ICASE/ NASA Langley Research Center, Hampton, USA, August 1996.
14. *3rd Canadian Civil and Building Engineering Conference*, Montreal, September 1996.
15. *Dow Chemical's CFD Annual Meeting*, Midland, USA, September 1996.
16. *ICEM CFD Users' Conference'97*, "Anisotropic Mesh Optimization: Independence Day for CFD, Toward Mesh-, User- and Solver-Independent CFD", Berkeley, USA, May 1997.
17. *3rd Conference of the CFD Society of Canada*, "Anisotropic Mesh Optimization: Toward Mesh-, User- and Solver-Independent CFD", Victoria, June 1997.

18. *Workshop on Emerging Horizons of Turbomachinery Technology*, "Directions of CFD", Concepts ETI, Wilder, USA, May 11, 1998.
19. *13th Canadian Symposium on Fluid Dynamics (CSFD-98)* held at the 19th Annual Meeting of the Canadian Applied and Industrial Mathematics Society, "Putting Computer on Ice: A CFD Integrated Approach to the In-Flight Icing Problem", Vancouver, May 28, 1998.
20. *AIAA 37th Aerospace Sciences Meeting*, Silicon Graphics Exposition, "Come to MOM: Mesh Optimization Methodology", Reno, Nevada, January 12, 1999.
21. *ICEM CFD Users Conference '99*, "Anisotropic Mesh Adaptation for 3-D Flows on Unstructured Grids", Berkeley, USA, May 6, 1999.
22. *Silicon Graphics Aerospace CAE Solutions Forum*, "Multi-Disciplinary Applications of CFD in the Aerospace Industry", Seattle, USA, October 26, 1999.
23. *Société Mathématique du Canada, Carrefour Emploi*, "La collaboration mathématiciens-ingénieurs: y-a-t-il une place pour les mathématiciens dans l'industrie?", Montréal, Décembre 14, 1999.
24. *Partnership Group for Science and Engineering (PAGSE) of the Royal Society*, Annual Meeting, "University-Industry-Government Partnership in Aerospace: A Success?", National Press Club, October 24, 2000.
25. *The XI Congress on Numerical Methods and its Applications*, XI ENIEF, "Credible Multi-disciplinary Applications of CFD", S.C. de Bariloche, Argentina, November 20-24, 2000.
26. *International Congress on Simulation, An Essential Tool for Risk Management in Industrial Product Development*, Master of Ceremony, Société des Ingénieurs de l'automobile, Forum Armand Peugeot, Poissy, France, September 17-18, 2003.
27. *Science, Simulation and Supercomputers*, Sigma Xi Society, Montreal, November 27, 2003.
28. *Colloque Franco-Tunisien sur les Méthodes Numériques Appliquées aux Écoulements et aux Transferts*, 23-24 avril 2004, Monastir, Tunis.
29. CASI Annual General Meeting, Ottawa, May 2004.
30. *4th International Conference on Engineering Computational Technology*, Lisbon, Portugal, September 2004.
31. *Pacing CFD*, Stanford University, November 2004.
32. *17th HP Symposium on Technology Trends in Computational Engineering*, Los Angeles April 25, 2006.
33. *14th Conference of the CFD Society of Canada*, Kingston, Canada July 2006.

34. *5th International Conference on Engineering Computational Technology*, Las Palmas de Gran Canaria, September 2006.
35. *NASA-ONERA CFD Methods for SLD Simulation Workshop*, Phoenix, AZ, October 19-20, 2006.
36. *7th International Conference on Engineering Computational Technology*, Technical University of Athens, September 2008.
37. *22nd Meeting of the Japanese Society of Fluid Mechanics*, Tokyo, Japan, December 2008.
38. *2nd Grand Review in the Numerical Simulation of Fluid Flow*, Institution of Mechanical Engineers, London, U.K., April 30, 2009.
39. *2009 SHARCNET Day*, University of Waterloo, May 19, 2009.
40. *ParCFD 2009*, NASA Ames, Moffett Field, California, May 21, 2009.
41. *11th Numerical Grid Conference*, Montreal, May 25, 2009.
42. *Pioneers Forum*, Pratt & Whitney Canada, Longueuil, Canada, October 2009.
43. *7th International Conference on Engineering Computational Technology*, Valencia, Spain, 14-17 September 2010.
44. *Korean Computational Fluids Engineering Society Meeting*, Seoul, May 13-14, 2010.
45. *Conférence CRM-GIREF, "Adaptation de maillages et estimations d'erreurs"*, Québec, Canada, 25-27 mai 2010.
46. *Aircraft Icing Research Alliance, AIAA Aerospace and Space Environments Conference*, Toronto, August 4, 2010.
47. *10th International ASME Congress of Fluid Mechanics*, Egypt, December 2010.
48. *14th International Workshop on Atmospheric Icing of Structures*, Chongqing, China, May 8-13, 2011.
49. *Special Workshop on Wind Energy Aerodynamics - Icing and De-Icing of Wind Turbine Blades*, Kungliga Tekniska Högskolan, Stockholm, Sweden, Sept 5, 2011.
50. *Special Workshop on Wind Energy Aerodynamics - Icing and De-Icing of Wind Turbine Blades*, Swedish Wind Power Technology Center, Göteborg, Sweden, Sept 6, 2011.
51. *Cross-Pollination of In-Flight Icing and Wind Turbine Icing*, Department of Mekanik, Dutch Technical University, Copenhagen, Sept 9, 2011.
52. *The Sixth International Conference on Thermal Engineering Theory and Applications*, Istanbul, Turkey, May 29, 2012.
53. *The Eighth International Conference on Engineering Computational Technology*, Dubrovnik, Croatia, 4-7 September 2012.

54. *Advances in Computational Mechanics*, San Diego, California, February 2013.
55. *Parallel CFD 2013*, Changsha, China, May 2013.
56. *The Ninth International Conference on Thermal Engineering Theory and Applications, ICTEA 2016*, March 24 - 26, 2016, Abu Dhabi – UAE.
57. *Complex Boundary and Interface Problems: Theoretical Models, Applications and Mathematical Challenges*, Centre de Recherches Mathématiques, Université de Montréal, July 4-8, 2016.
58. *Civil Aviation Flight Test Forum*, Airshow China 2016, October 31, 2016, Zhuhai, Zhuhai, Guangdong, China.
59. *Using Regional Benefits Offsets to the Benefit of Aerospace Education and Industry in Egypt*, With Our Scientists Egypt Can, invited by the Ministry of State of Emigration and Egyptian Expatriates Affairs, and by the Minister of Aviation, 2016, Hurghada, Egypt.
60. *The Tenth International Conference on Engineering Computational Technology*, Sitges, Spain, 4-6 September 2018.
61. *5th International Conference on Aircraft Core Technology*, Gyeongsang National University, Jinju, South Korea, June 4-5, 2019.
62. *NRC-APDC Certification by Analysis International Workshop*, Montreal, October 2019.
63. *International Conference on Engineering Practice and Innovative Technologies*, to be held at McMaster University, Niagara Falls, June 9-11, 2021.
64. *Collins Aerospace*, online, USA, March 23, 2023.
65. *IACM Computational Fluids Conference, CFC 2023*, Cannes, France, April 25-28, 2023.
66. *14th International Conference on Thermal Engineering: Theory and Applications (ICTEA 2023)*, Yalova, Turkey, May 25-27, 2023.
67. *SAE International Conference on Icing of Aircraft, Engines, and Structures 2023*, Vienna Austria, June 20-22, 2023.
68. *10th International Conference on Heat Transfer and Fluid Flow (HTFF'23)*, Brunel University, London, U.K., August 7, 2023.
69. *Second International Conference on Aircraft Technology (ICACT'23)*, Gyeongsang University, Jinju, South Korea, August 30, 2023.
70. *56th Fluid Dynamics Conference / 42nd Aerospace Numerical Simulation Symposium (FDC/ANSS)*, Kagoshima, Japan, July 4, 2024.

