



ASME K-20 Committee Meeting Minutes

Minutes at 1999 NHTC, Albuquerque

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ASME-NHTC 99

Albuquerque, NM

Minutes of the 1999NHTC K-20 Meeting (08/15/99, 10-12noon)

General Announcements

- Minutes of 1998 IMECE, Anaheim approved unanimously.
- Ben Blackwell transmitted a letter to Dr. J. Howell, Editor of J. Heat Transfer on numerical accuracy issues and the need to ensure that reviewers pay attention to numerical accuracy. Response from Howell was positive.

1. Executive Committee Report (delivered by Yogesh Jaluria):
 - a) Heat Transfer Memorial Award will be elevated to the Society Level. There will be a monetary reward associated with this award.
 - b) ASME HTD is encouraging session chairs to play a more active role in soliciting papers. There is concern about declining number of papers. The typical paper count in the NHTC in the last 10 years has been around 350-400. In the present meeting (1999NHTC) there are only 200 papers and only 300 attendees. There is also ongoing discussion to co-locate the conference with other compatible conferences. There is also some discussion on web based conference organization.
 - c) ASME HTD Newsletter is soliciting Technical Briefs, and should be sent to the news letter editor, Dr. Louis Gritz, Sandia National Labs, Albuquerque, NM, lagritz@sandia.gov.

d) The webpage for the HTD roster is <http://mechsun.tnstate.edu/htd/>

2. 1999 NHTC, Albuquerque, NM
August 15-17, Hyatt Regency Hotel
TPR, Mike Jensen
KCR, Randy Clarksean

1. Industrial Applications of Computational Heat Transfer (Clarksean/Brueckner): 7 abstracts, ? papers, Session was chaired by Therese Chopin
2. Numerical Implementation of Radiation Heat Transfer (Fiveland/Burns): 6 abstracts, 4 papers
3. Advances in Computational Heat Transfer (Acharya/Douglass): 5 abstracts, 4 papers
4. Numerical Methods for Porous Media (Khan/other K committees): 5 abstracts, 6 papers

3. 1999 IMECE, Nashville, TN
November 14-19
TPR, Larry Witte,
KCR, Therese Chopin

KCR, Therese Chopin-drafted a "how to organize a session memo"

1. Parallel Computing in Thermal-Fluid Phenomena (Douglass) with Applied Mechanics Division/Fluids Committee
2. Industrial Applications of CHT (Clarksean/Brueckner)-7 papers accepted including 1 moved from session 5
3. Computational Methods in Materials Processing (Andrews and K-15)- 7 papers accepted
4. Numerical Simulation of Turbulent Flow and Heat Transfer - 7 papers accepted (Pletcher/Haji-Sheikh/N.K. Anand K-12)
5. Benchmarking CHT Codes (Heinrich/S.P. Vanka/Cochran)-Session cancelled, 1 paper in this session moved to session 2
6. Panel on Industry/Government/University Interactions in CHT (Emery/ Clarksean)-Panel formed and invitation letters to participate have been issued

4. 2000 NHTC,
Pittsburgh, PA
TPR, S. C. Yao
KCR, Jamil Khan

1. Modeling Microscale Heat Transfer (Emery, K-8, K-16)
2. Inverse Thermal Problems (Dulikravich, Woodbury, Blackwell)
3. Use of Computational Heat Transfer for Design (Jones, Dowding)
4. Panel on High Performance Computing (Pepper, Douglass, Heinrich)
5. Conjugate Heat Transfer (Amin, Murthy)
6. Computational Heat Transfer Problems in Combustion (Runchal, Jog, Andrews)

Special Note: The following sessions have been approved for 2000 NHTC by the TPR

Sessions 1, 3 and 5 above have apparently been cancelled. Session 2 above co-organized with K-12 Session 4 above Session 6 above renamed "Computational Heat Transfer in Combustion"

An AIChE sponsored session on "Advances in Computational Heat and Mass Transfer" has been added to K-20 and will be co-chaired by K-20. Acharya will chair this session.

5. 2000 IMECE,
Orlando FL
TPR, Jong Kim
KCR, Jayathi Murthy

1. Tutorial/Panel (drawn from ASME's satellite broadcast in March,98) (Chopin/Cochran/Runchal)
2. Computational Developments in Manufacturing and Materials Processions (Andrews/Khan, K15)
3. Numerical Simulations of Turbulent Heat Transfer (Amin, Ladeinde)
4. Computational Geometry and Mesh Generation (Douglass, Acharya)
5. Meshless Methods (Dulikravich, Emery)
6. Industrial Applications of Computational Heat Transfer (Chopin, Runchal)

6. 2001 NHTC:
TPR, TBD
KCR, Malcolm Andrews

1. Grid Effects on Heat Transfer Computations (Douglass, ?)
2. Computation of Multiphase Interfacial Heat Transfer (Hochstein,?)
3. Computational Heat Transfer in Materials Processing with High Energy Density (Amin, Andrews)
4. Computational heat Transfer in Reacting Systems (Jones, ?)
5. Numerical Developments in Turbulent Heat Transfer Modeling (Acharya, Spall)

No new business, meeting adjourned at 1145a.m

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