



ASME K-20 Committee Meeting Minutes

Minutes at 2001 NHTC, Anaheim

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Minutes of the
K-20 Committee Meeting on Computational Heat Transfer
2001 IMECE
New York, NY
November 15, 2001

The meeting was called to order by Sumanta Acharya at 2:00 pm.

Attending:

Sumanta Acharya	Ruhwl Amin	N.K. Anand
Ben Blackwell	Randy Clarksean	Rod Douglass
Kevin Dowding	Ashley Emery	Laila Guessous
Juan Heinrich	Jerry Jones	Jamil Khan

Ben Q. Li

W. J. Minkowycz

Jayathi Murthy

Darrell Pepper

Muhammad Rahman

Therese Rhodes

Aki Runchal

Yuwen Zhang

Lili Zheng

Approval of Previous Minutes

The minutes of the K-20 committee meeting held at the 2001 National Heat Transfer Conference in Anaheim, CA were approved.

Executive Committee Report

Yogesh Jaluria reported the following from the Heat Transfer Executive Committee:

The Heat Transfer Division sponsored over 350 papers in the 2001 IMECE.

The HTD by-laws have been reviewed and changes recommended. These recommended changes will be sent shortly to the K-chairs for distribution to membership for comments. Two examples of recommended changes are

- New K-chairs will start their term at the Summer meeting, regardless of the month in which it is held.
- Minimum qualifying criteria will be detailed for the position of Associate Editor for the Journal of Heat Transfer.

The Executive Committee has voted to change the K-21 (Education) and K-22 (Visualization) committees from ad-hoc to full committees.

The following for the Heat Transfer Recent Contents publication is decreasing. The editor, Jill Peterson, is looking for ideas to help make subscriptions increase.

The Executive Committee has setup a Council of Past Chairs. The Council will have an advisory role, interact with the Board of Governors on our behalf, etc.

The new Vice-President of Basic Engineering, Carl Herakovich is stressing that ASME is not address in our concerns/complaints. He said that Basic Engineering will pull out of the IMECE unless the concerns are remedied. Traditionally Basic Engineering has about one-half of the sessions at the IMECE.

Please check your contact information on the HTD roster on the HTD web site and update as appropriate. You can to check your information on the roster at <http://cronos.rutgers.edu/~jaluria/roster.html>. E-mail corrections to Russ Skocypec at rdskocy@sandia.gov.

The 2002 IMECE (to be held in New Orleans November 17-22) will use all web-based submissions and reviews. The Proceedings will all be published on a CD-ROM.

The 2002 NHT will be with AIAA in St. Louis June 24-27, 2002. All reviews will be done with extended abstracts. Full length papers or extended abstracts will be published without review. ASME's policy is to publish what is reviewed.

The 2003 Meeting with AIChE is currently slated for March 2003 in New Orleans, but this is not definite.

All 3 HTD Memorial awards are now finally funded. As/if appropriate all 3 awards can now be presented in the same year.

The Heat Transfer Diner is tonight at 7:00 pm. Tickets are still available.

The Executive Committee has appointed a committee to consider going to only extended abstracts. We currently have the flexibility of either full length papers or extended abstracts.

Announcements

The 6th ASME - JSME Thermal Engineering Joint Conference will be held March 16-20, 2003 in Hawaii. Information about the conference is available on the website at www.jsme.or.jp/ted/AJ2003.html.

HT 2002 will be held in Halkidi, Greece

Session Policies and Publication

After discussing copyright issues and other concerns, K-20 decided not to pursue joint reviews for conference papers and journal publication.

Review of Sessions in 2001 IMECE, New York City

TPR: Yogesh Jaluria

KCR: Kevin Dowding

Over 350 papers are being presented in sessions sponsored by the Heat Transfer Division.

Sessions:

Computational Design for Electronic Cooling (G. Jones, Murthy with K-16) – 6 papers. About 20 in attendance

Panel on Building a PC Cluster (Pepper, Douglass, Culbreth) – scheduled for Friday, 11/16 at 7:45 am in the Quinton Suite.

Panel on Heat Transfer Issues in ASCI Program (Fiveland, Blackwell) - cancelled

Soft Computing in Thermal Systems (Mahajan, Yang, with K-15) – Only received 3 abstracts so this session was combined with the Neural network session.

Computational Development of Multiphase Transport in Porous Media (Amin, Khan) – insufficient abstracts to make a session. Abstracts received were moved to another session.

Computational Heat Transfer in Electro-Magneto-Hydrodynamics (Dulikravich, Zhang) – 8 papers in 2 sessions on Friday morning.

Industrial Applications of Computational Heat Transfer (Clarksean, Rhodes) – 11 papers in 2 sessions. 6 authors cancelled at last minute due to travel restrictions.

Inverse Methods (Blackwell, Woodbury, with K-12) – 4 papers in a poster session with 1 no show.

Industrial Applications of Gas Turbine Cooling (Acharya) – 3 abstracts, moved to a K-14 session.

Review of Sessions in 2002 NHTC

TPR: Pinar Menguc

KCR: N.K. Anand

Note: The session titles listed below are "fluid" since the Conference Announcement went out without our sessions topics listed. Sumanta Acharya and N.K. Anand will group the abstracts to make sessions and notify the session organizers.

Sessions:

Industrial Applications of Electronic Cooling (Murthy w/ K-16)

Stochastic Heat Transfer (Emery, Pepper)

Benchmark (Heinrich, Rhodes) – **moved to 2003 IMECE**

Verification Problems for Computational Heat Transfer (Blackwell, Anand)

Computation of Heat Transfer for Biomedical Applications (Zhang w/ K-17)

Computational Developments in Manufacturing and Material Processing (Khan, Andrews)

Panel on Computational Techniques for Micro/Nano systems (Murthy)

Review of Sessions in 2002 IMECE

TPR: Yildiz Bayazitoglu

KCR: Aki Runchal

Abstracts Due: January 25, 2002

Author Preliminary Notification: March 4, 2002

Manuscripts Due to Organizers: April 12, 2002

Author Acceptance Notification: May 24, 2002

Final Paper Due: July 13, 2002

Sessions:

High Performance Computing in Thermal Problems (Pepper, Farouk)

Computational Heat Transfer in Radioactive Waste Management (Culbreth, Heinrich)

Computational Issues in Industrial Combustion (Runchal, Jog)

Numerical Modeling of Turbulent Heat Transfer (Anand, Pletcher)

Parameter Estimation in Thermal Systems (Emery, Blackwell w/ K-12)

Industrial Applications of Computational Heat Transfer (Rhodes, Clarksean)

Computational Methods for Environmental Heat Transfer (Pepper, Runchal, w/ K-19 - who?)

Computational Heat Transfer in Reduced Gravity (Hochstein, Ben Li w/ K-12 & K-22)

Computational Heat Transfer in Smart Systems (Jones, Chen)

Panel on Heat Transfer Issues in the ASCI Program (Blackwell)

Review of Sessions in 2003 NHTC, Houston (with AIChE) – late April

TPR: Van Carey

KCR: Roy Hogan

Sessions:

Radiation Heat Transfer (Emery, Thynell w/ K-8)

Inverse Methods (Dulikravich, Blackwell)

Computational Techniques in Bio Heat Transfer (Runchal – w/ K-17)

Computational Techniques for Micro/Nano Systems (Murthy, Amin)

Computational Advances in Free and Forced Convection (Spall, Guessous)

Computational Heat Transfer for Reaction-Related Processes (Zheng, Khal w/ AIChE)

Review of Sessions in 2003 IMECE, Washington, DC

TPR: ??

KCR: N.K. Anand

Sessions:

Meshless Heat Transfer Computations (Pepper, Runchal with K-12)

Validation of Computational Models (Dowding)

Benchmark and Verification (Heinrich, Rhodes)

Computational Interphase Dynamics & Phase Change (Amin, Heinrich)

Panel on Discontinuous Finite Elements in Heat Transfer (Li, Heinrich)

Panel on Computational Geometry and Meshing (Douglass, Pepper)

Industrial Applications of Computational Heat Transfer (Clarksean, Rhodes)

Computational Visualization (Acharya w/ K-22)

Computational Transport Issues in Nuclear Industrial Thermal Hydraulics (Clarksean, Pepper)

Other Discussion

None.

Meeting Adjournment

The Meeting adjourned at 4:00 p.m.

Respectfully submitted,

Therese Rhodes

K-20 Vice-Chair

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