



ASME K-20 Committee Meeting Minutes

Minutes at 2000 IMECE, Orlando

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Minutes of the

K-20 Committee Meeting on Computational Heat Transfer

2000 IMECE

Orlando, FL

November 6, 2000

submitted by Therese Rhodes

The meeting was called to order by Sumanta Acharya at 1:03 pm.

Attending:

Sumanta Acharya
Jayathi Murthy
N.K. Anand
Darrell Pepper
Baki Farouk
John Hochstein
Foluso Ladeinde
Ann Mescher
Aki Runchal
Lili Zheng

Yogesh Jaluria
Malcolm Andrews
Ashley Emery
William Culbreth
Therese Rhodes
Roy Hogan
Anastan Lazaridis
Dick Pletcher
Pratap Vanka

Ben Blackwell
Hui Zhang
Randy Clarksean
Jamil Khan
David Gardner
Jerry Jones
Joseph Lombardo
Muhammad Rahman
K.T. Yang

The K-20 roster was updated/corrected by those members present.

Approval of Previous Minutes

The minutes of the K-20 committee meeting held at the 2000 National Heat Transfer Conference in Pittsburgh, PA were approved with one correction (the spelling of Russ Skocypec's name was corrected).

Announcements

Sumanta Acharya presented an award on behalf of the K-20 committee to Ben Blackwell for his outstanding service and steering of the K-20 committee during his tenure as vice-chair and chair of the committee.

Executive Committee Report

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

- There will be over 300 HTD papers presented at this IMECE. There is no CD-ROM of the papers at this meeting. The Heat Transfer Division is trying to get a CD-ROM for all meetings, but there will not be on for the IMECE 2001 in New York since other Divisions are not ready.
- The 2001 National Heat Transfer Conference will be held in Anaheim June 10-12 with AIChE. It is co-located with AIAA Thermophysics meeting June 11-14. This means that ASME and AIAA members can attend sessions at either conference for the price of attending only one conference. However, you will only receive one CD of papers.
- The 2001 IMECE will be held November 11-16 in New York City. The Heat Transfer Division sponsored sessions will be Nov. 14-16, 2001. Yogesh Jaluria is the HT Program Chair for this meeting.
- ASME now wants \$75,000 for endowments to make our 3 awards society awards (rather than Heat Transfer Division awards). We have raised \$50,000 to fully fund 2 awards. This will cover 2 awards/year within the 3 awards, i.e., in any given year 2 of the 3 awards can be awarded. The Heat Transfer Division will try to raise an additional \$25,000 so that in the future all 3 awards can be granted per year.
- As part of the National Heat Transfer conference revitalization effort ASME's Heat Transfer Division has decided to hold it jointly with other technical societies. The following calendar has been set:

2002	International Heat Transfer Conference in Grenoble Colocated meeting with AIAA Thermophysics meeting
2003	National Heat Transfer Conference with AIAA
2004	National Heat Transfer Conference (with AIAA, AICHE). We may collocate or combine with the Fluids Division summer meeting.

- Russ Skocypec will conduct the Heat Transfer Introduction Workshop on Tuesday, 11/7/00 from 3:00 – 5:00. This is a good opportunity for new HTD members to learn how the HTD is organized, how to run a paper session, etc.
- The HTD needs to update its roster. We are all asked 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 Journal of Heat Transfer has a problem with getting timely reviews. The Editorial board is trying to be creative. One proposal will offer a \$50 certificate (good towards an ASME conference registration) to a reviewer who has submitted three timely reviews. The Journal made \$146,000 profit last year.

Resolution

The Committee discussed our concern with ASME's lack of response to numerous previous requests to reduce conference costs, including the conference fee and conference hotel room rates. The committee unanimously voted to have Darrell Pepper, Ben Blackwell and Aki Runchal draft a resolution from K-20. Sumanta Acharya is empowered to present to ASME and share with other K-committee chairs. He will ask the other K-chairs and their committee members to also sign the our resolution. The draft will be completed by Wednesday, October 8, 2000 so that Sumanta Acharya can present the resolution at the K-5 meeting.

Review of Sessions in 2000 IMECE, Orlando

TPR: Jong Kim

KCR: Jayathi Murthy

The HTD ended up with 226 papers in 52 sessions.

Sessions:

- ◆ Panel on Computational Heat Transfer Codes including Radiation (drawn from ASME's satellite broadcast in March 1998) (Pepper) – 20 attended. There was a misprint in the Conference program – ASME ignored properly submitted changes in the session title and the panelists.
- ◆ Computational Developments in Manufacturing and Materials Processing (Andrews, Khan, with K-15) – 5 papers
- ◆ Numerical Simulations of Turbulent Heat Transfer (Amin, Ladeinde) – 4 papers
- ◆ FEM, BEM and Meshless Methods (Pepper, Emery, Dulikravich with K-12) – 14 papers, poster session
- ◆ Industrial Applications of Computational Heat Transfer (Rhodes, Runchal) – 1 (regular) session with 5 papers and 1 poster session with 9 papers. Again, there were misprints in the final Program. ASME ignored notification that one of the 6 papers originally scheduled for the regular session was withdrawn. This meant that the authors were only allowed to speak **for xx minutes** and that there was a blank paper slot in the middle of the session. An even larger problem occurred with the Poster session. The authors were not permitted to enter the poster area (at the back of the exhibit area) until after the session officially started. Additionally, people who wanted to see the papers were turned away by a "bouncer" who had been given instructions to admit only exhibitors to the area – the exhibit was not yet open and the exhibitors were constructing their booths. This resulted in very poor attendance to the poster session.

Concern was expressed over the number of parallel K-20 sessions. Jayathi Murthy tried to get parallel sessions rescheduled, but ASME was uncooperative.

Review of Sessions in 2001 NHTC, Anaheim

TPR: Ted Bergman

KCR: Malcolm Andrews

If your session doesn't have 6 papers, then you will need a kickoff speaker.

Send nominations for plenary and keynote speakers to Ted Bergman at tberg@engr.uconn.edu

Deadlines:	Abstracts:	September 30, 2000
	Author Acceptance Notification:	October 30, 2000
	Papers Due:	November 30, 2000
	Reviews back to Session Organizers:	January 12, 2001
	Notify authors of acceptance:	January 29, 2001
	Final Paper, Forms due to organizers:	February 23, 2001

Sessions:

- ◆ Numerical Methods for Radiation Heat Transfer (Emery, Stefan Tyunel, Fiveland with K-12) – 5 abstracts

- ◆ Computation of Multiphase Heat and Mass Transfer (Hochstein, Chang (AIChE), Zhou) – 10 abstracts
- ◆ Computational Heat Transfer in Reacting Systems (Jones, Kelly) – 4 abstracts
- ◆ Numerical Developments in Turbulent Heat Transfer Modeling (Acharya, Spall) – 8 abstracts

Review of Sessions in 2001 IMECE, New York City

TPR: Yogesh Jaluria

KCR: Kevin Dowding

There will be 52 sessions for the HTD, including 7 sessions on November 14th, 25 sessions on November 15th and 20 sessions on November 16th. All session organizers should advertise their sessions NOW – and must enter a Call for Papers on the website by the end of November.

Deadlines: Abstracts: January 2001

Final Paper, Forms due to organizers: August 2001

Sessions:

- ◆ Computational Design for Electronic Cooling (G. Jones, Murthy with K-16) - standup
- ◆ Panel on Building a PC Cluster (Pepper, Douglass, Culbreth) – requesting a 3 hour session
- ◆ Panel on Heat Transfer Issues in ASCI Program (Fiveland, Blackwell)
- ◆ Soft Computing in Thermal Systems (Mahajan, Yang, with K-15) - standup
- ◆ Computational Development of Multiphase Transport in Porous Media (Amin, Khan)
- ◆ Computational Heat Transfer in Electro-Magneto-Hydrodynamics (Dulikravich, Zhang)
- ◆ Industrial Applications of Computational Heat Transfer (Clarksean, Rhodes) – extended abstracts will be accepted in lieu of full papers at authors' discretion
- ◆ Inverse Methods (Blackwell, Woodbury, with K-12)
- ◆ Industrial Applications of Gas Turbine Cooling (Acharya)

Review of Sessions in 2002 NHTC

TPR: ??

KCR: N.K. Anand

Sessions:

- ◆ Industrial Applications of Electronic Cooling (Murthy w/ K-16)
- ◆ Stochastic Heat Transfer (Emery, Pepper)
- ◆ Benchmark (Heinrich, Rhodes)
- ◆ 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: ??

KCR: ??

Sessions:

- ◆ High Performance Computing in Thermal Problems (Pepper, Farouk)
- ◆ Computational Heat Transfer in Radioactive Waste Management (Culbreth)
- ◆ Computational Issues in Industrial Combustion (Runchal)
- ◆ Numerical Modeling of Turbulent Heat Transfer (Anand, Pletcher)
- ◆ Parameter Estimation in Thermal Systems (Emery, w/ K-12)
- ◆ Industrial Applications of Computational Heat Transfer (Clarksean, Rhodes)
- ◆ Computational Methods for Environmental Heat Transfer (Pepper, Runmchal, w/ K-19)
- ◆ Computational Heat Transfer in Reduced Gravity (Hochstein, w/ K-12)
- ◆ Computational Heat Transfer in Smart Systems (Jones)

Other Discussion

None.

Meeting Adjournment

The Meeting adjourned at 3:15 p.m.

Respectfully submitted,

Therese Rhodes

K-20 Vice-Chair

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