



ASME K-20 Committee Meeting Minutes

Minutes at 2000 NHTC, Pittsburgh, PA

1. [General Announcements](#)
 2. [Executive Committee Report](#)
 3. [K-20 Web Page](#)
 4. [Abstract Only Publications](#)
 5. [Review of Sessions in 2000 NHTC, Pittsburgh](#)
 6. [Review of Sessions in 2000 IMECE, Orlando](#)
 7. [Review of Sessions in 2001 NHTC, Anaheim](#)
 8. [Review of Sessions in 2001 IMECE, New York City](#)
 9. [Review of Sessions in 2002 NHTC](#)
 10. [Other Discussion](#)
-

Minutes of the

K-20 Committee Meeting on Computational Heat Transfer

2000 National Heat Transfer Conference

Pittsburgh, PA

August 21, 2000

The meeting was called to order by Ben Blackwell at 4:05 pm.

Attending:

Sumanta Acharya

Yogesh Jaluria

Ben Blackwell

Jayathi Murthy

Sanjay Mathru

Hui Zhang

Juan Heinrich

Ashley Emery

George Dulikravich

Darrell Pepper

Woody Fiveland

Jamil Khan

Keith Woodbury

Therese Rhodes

General Announcements

Ben Blackwell introduced the new K-20 Chair, Sumanta Acharya, and turned the meeting over to him.

Sumanta's first order of business was to thank Ben for his outstanding job as K-20 Chair for the last 3 years.

The minutes of the K-20 committee meeting held at the 1999 IMECE in Nashville, TN were approved without amendments.

Therese Rhodes was elected to serve as the vice-chair of K-20.

[Return to top](#)

Executive Committee Report

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

- Ralph Nelson is retiring.
- ASME now wants \$75,000 for endowments to make our 3 awards society awards (rather than Heat Transfer Division awards). We will finish raising \$50,000 and get 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.
- An electronic survey on the IMECE will be sent by Dick Bajura. ASME is interested in feedback to help improve this annual event.
- William Begel proposed publishing a Who's Who in Heat Transfer. He has the endorsement of the Center of International Heat and Mass Transfer and wants ASME's endorsement also.
- Russ Scozipeck will conduct the Heat Transfer Introduction Workshop at the IMECE in Orlando in November. K-20 should send nominations of our new members to attend.
- 300 presentations from the Heat Transfer Division are scheduled for the 2000 IMECE. There is no CD-ROM of the papers at this meeting. The Heat Transfer Division is trying to get a CD-ROM for the IMECE 2001 in New York.

The K-20 committee has the following suggestions for the Executive Committee for future Heat Transfer meetings:

- Not so many keynotes
- Include the day of the week at the top of each program page
- Need the ability to telnet (like at the IMECE meetings)
- Too many parallel sessions
- Too many parallel keynotes
- There were numerous misspellings in the program (due in part to ASME re-typing the Word documents that were submitted to them)

Dr. Jaluria announced the joint sponsorship and location future heat transfer conferences:

- The 2001 National Heat Transfer conference will be held in Anaheim next June with AIAA. The

committee members expressed concern that AIAA has a significantly lower registration fee (\$100). This may influence members to register with AIAA rather than ASME.

- There will be an international conference co-sponsored by AIAA, ASME and others in 2002. The location has not yet been decided.
- In 2003 the ASME Heat Transfer conference will be co-located with JSME, INPAC in Hawaii.
- In 2004 the Heat Transfer conference will be co-sponsored by ASME and AIChE.

Finally, Dr. Jaluria announced that ASME President Parker will attend the banquet at this conference.

K-20 Web Page

Keith Woodbury announced that our website includes the committee meeting minutes. The website is <http://www.me.ua.edu/asme-k20>.

[Return to top](#)

Abstract Only Publication

K-20 agrees that the extended abstract concept is good. We want to continue accepting them since they encourage up-to-date results and allow for easier publication/presentation by our industrial members.

[Return to top](#)

Review of Sessions in 2000 NHTC, Pittsburgh

TPR: S.C. Yao

KCR: Jamil Khan

There were 415 abstracts received with 51 abstracts assigned to K-20. There are a total of 6 sessions on 3 topics sponsored by K-20 at this conference.

Sessions:

- ◆ Modeling Microscale Heat Transfer (Emery) – cancelled
- ◆ Inverse Thermal Problems (Dulicravich, Woodbury, Blackwell) – 3 sessions with 1 no-show in the morning and 2 no-shows in the afternoon. Concern was expressed that 25 abstracts were originally received and 4 were "lost", i.e., reassigned by the TPR to another session.
- ◆ Use of Computational Heat Transfer for Design (Jones, Dowding) - cancelled
- ◆ Panel on High Performance Computing (Pepper, Douglass, Heinrich) – cancelled
- ◆ Conjugate Heat Transfer (Amin, Murthy) – cancelled
- ◆ Computational Heat Transfer Problems in Combustion (Runchal, Hog, Andrews) -1 session
- ◆ Advanced in computational Heat and Mass Transfer (Acharya, Dulikravich, Amin) – 2 sessions with 5 papers each (received 11 papers, accepted 10)

[Return to top](#)

Review of Sessions in 2000 IMECE, Orlando

TPR: Jong Kim

KCR: Jayathi Murthy

Sixty to 70 sessions are planned. Initially only 35 sessions were allocated to HTD. There are mechanisms to increase the number of sessions we can have. One is to make the session an Industry session (which must have 2-3 speakers from industry), another is to have the session topic be pertinent to the Conference theme. The HTD ended up with 226 papers in 52 sessions.

Be sure to ask your authors if they need/want power for the Poster sessions.

Sessions:

- ◆ Panel on Computational Heat Transfer Codes including Radiation (drawn from ASME's satellite broadcast in March 1998) (Pepper)
- ◆ Computational Developments in Manufacturing and Materials Processing (Andrews, Khan, with K-15) – 5 papers
- ◆ Numerical Simulations of Turbulent Heat Transfer (Amin, Ladeinde) – 5 papers
- ◆ Computational Geometry and Mesh Generation (Douglass, Acharya) – cancelled
- ◆ FEM, BEM and Meshless Methods (Pepper, Emery, Dulikravich with K-12) – 11 papers, poster session
- ◆ Industrial Applications of Computational Heat Transfer (Rhodes, Runchal) – 1 (regular) session with 6 papers and 1 poster session with 9 papers

Concern was expressed over the number of parallel K-20 sessions. Jayathi Murthy will try to get parallel sessions rescheduled.

[Return to top](#)

Review of Sessions in 2001 NHTC, Anaheim

TPR: Ted Bergman

KCR: Malcolm Andrews

There will be a general web-based Call for Papers. Ben Blackwell reiterated that session chairs should send out their own Call for Papers in addition to the general call on the web.

Deadlines: Abstracts: September 30, 2000

Papers Due: November 30, 2000

Sessions:

- ◆ Numerical Modeling of Radiation (Emery, Fiveland with K-12)
- ◆ Computation of Multiphase Interfacial Heat Transfer (Hochstein, Benard)

- ◆ Computational Heat Transfer in Materials Processing with High Energy Density (Khan, Amin, Andrews)
- ◆ Computational Heat Transfer in Reacting Systems (Jones, Shamin)
- ◆ Numerical Developments in Turbulent Heat Transfer Modeling (Acharya, Spall)

[Return to top](#)

Review of Sessions in 2001 IMECE, New York City

TPR: Yogesh Jaluria

KCR: Kevin Dowding

Sessions:

- ◆ Computational Design for Electronic Cooling (G. Jones, Vilanova with K-16)
- ◆ Computational Heat Transfer on PC's (Pepper, Rhodes) – this will be a poster session with authors encouraged to bring laptops
- ◆ Panel on Heat Transfer Issues in ASCI Program (Fiveland, Blackwell)
- ◆ Soft Computing (Neural/Genetic/Data Mining) (Mahajan, Yang, with K-15)
- ◆ 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)
- ◆ Inverse Methods (Blackwell, Woodbury, with K-12)
- ◆ Industrial Applications of Gas Turbine Cooling (Acharya)

[Return to top](#)

Review of Sessions in 2002 NHTC

TPR: ??

KCR: ??

Sessions:

- ◆ Industrial Applications of Electronic Cooling (Murthy)
- ◆ Stochastic Heat Transfer (Emery, Pepper)
- ◆ Benchmark (Heinrich)
- ◆ Verification Approaches for Computational Heat Transfer (Blackwell)

- ◆ Computation of Interfacial Heat Transfer for Wetting and Adhesion Processes (Zhang)
- ◆ Computational Developments in Manufacturing and Material Processing (Khan, Andrews)
- ◆ Workshop on Computational Techniques for Micro/Nano systems (Murthy)

[Return to top](#)

Other Discussion

Sumanta Acharya will resubmit to K-5 our recommendation to include an index in the Heat Transfer Book of Abstracts. We suggested this last year at the Heat Transfer Division meeting.

Please note that **every** co-author must sign the Submission of a Paper form. In the past ASME only asked for at least one author, but this has changed.

Let your authors know that they can use a projector for their laptop. K-20 recommends that ASME automatically provide a laptop projector for each session.

One of our members, Juan Heinrich, has been elected as an ASME Fellow. Darrell Pepper presented Juan with his ASME Fellow certificate.

Darrell Pepper suggested that K-20 hold a special session where all the papers accepted will be published in the Journal of Heat Transfer.

The Meeting adjourned at 6:00 p.m.

Respectfully submitted,

Therese Rhodes

K-20 Vice-Chair

[Return to top](#)

[**RETURN to K-20 Committee Homepage**](#)

[RETURN to K-20 Minutes page](#)