

IMECE'2001
K-17 Heat and Mass Transfer in Biotechnology Committee Meeting Minutes
November 14, 2001
New York, New York

1. K-17 Minutes of 2000 were approved.
2. J. C. Bischof was elected chair of the K-17 committee, and L. X. Xu as the co-chair.
3. Discussion of the Future of K-17:
Continue to stay with IMECE this coming year contingent upon future improvement of IMECE in several aspects including cost, program, long time lag between the submission and presentation of research work.
4. 2002 Sessions in IMECE:
 1. Measurement of Thermal and Mechanical Properties in Biomaterials (HTD)
Chair: Dayong Gao; Co-Chair: John McGrath
 2. Education Session: Working Session (no abstracts). (BED)
Chair: John McGrath; Co-Chair: Ken Diller
 3. Heat Transfer in Medicine and Biology: Analysis and Applications (BED)
Chair: Ram Devireddy; Co-Chair: John Bischof
 4. Metrics of Thermal Injury (HTD)
Chair: Neil Wright; Co-Chair: Sankha Bhomwick
 5. Preservation of Tissue Engineered Equivalents (BED)
Chair: Jens Karlsson; Co-Chair: John McGrath
(Joint with Tissue Engineering)
 6. Instrumentation and Measurement in Bio-Heat and Mass Transfer (HTD)
Chair: T. E. Diller; Co-Chair: David Colvin (?)
 7. Modeling of Microscale Bioheat and Mass Transfer (HTD)
Chair: P.S. Ayyaswamy; Co-Chair: A. Aksan
 8. Micro and Functional Imaging (BED)
Chair: L. X. Xu; Co-Chair: Y. Liang
 9. Drug Delivery and Kinetics (BED?)
Chair: Rupak Banerjee; Co-Chair ?
(Joint with Biofluids)
5. Suggested Summer 2003 BED Sessions:
Landmark
Education
Modeling (?)
6. Proposed Winter IMECE 2003 Sessions:
Cryopreservation

Education

Modeling of Bioheat and Mass Transfer

Micro-scale Modeling

Thermal and Mechanical Property Measurements (N. Wright)

Thermal Therapy

Tutorial Session (?)

7. Update of K-17 Membership:

Welcome to new members: Dr. Rupak Banerjee and Dr. Danny Bluestein

8. Awards, Leadership and Relocations of K-17 Members:

P.S. Ayyaswamy: Heat Transfer Memorial Award, 2001

D. Colvin: Elected ASME Fellow

K. Diller: Elected AAAS Fellow

K. Diller: Chair of New Biomedical Engineering Dept. at U. of Texas Austin

J. J. McGrath: Head of the Aerospace and Mechanical Engineering Dept. at the University of Arizona

D. Meaney: The Y. C. Fung Young Investigator Award in BED, 2001

E. Scott: Director of the Biomedical Engineering Center at Virginia Tech. is leading the effort to create a the VT-WFU School of Biomedical Engineering and Sciences, run jointly by the VT's College of Engineering, the Virginia Maryland College of Veterinary Medicine, and the Wake Forest University School of Medicine.

E. Scott: Appointed Tech Program Representative of Bioengineering Division for IMECE'02

N. Wright: Associate Professor in Mechanical Engineering at the Michigan State University

L. X. Xu: B.S.F. Schaefer Young Faculty Scholar Award, 2001, Purdue.

9. Other Conferences for K-17 Members to consider attending:

- BED Summer Meeting 2003 – calls will be posted in the future:

<http://www.asme.org/divisions/bed>

- 8th Annual AIAA/ASME Joint meeting will be in St. Louis, Missouri. The program representative from the ASME is Pinar Menguc (mpmenguc@engr.uky.edu).

- 6th ASME/JSME Thermal Engineering Joint Conference, March 16-20, 2003. Hapuna Beach Prince Hotel. Kohala Coast, Hawaii Island, Hawaii, USA. See website for details: www.jsme.or.jp/ted/AJ2003.html

- 12th International Heat Transfer Conference. Grenoble France August 18-23, 2002. - <http://www.ihtc12.ensma.fr/>

