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中央研究院週報

中研院總辦事處秘書組編印
80年 7月11日 第340期

學術討論會



●地球科學研究所●

時間：1.7月10日(星期三)下午 2:00

2.7月11日(星期四)下午 2:00

地點：本所二樓圖書館
(台大校總區內地震館)

講員：Dr. Lawrence H. T. Le
(Schlumberger—Doll Research
Ridgefield, Connecticut,
U.S.A.)

講題：1. Evanescent Waves in Elastic and Anelastic Half-Spaces Problem: SH Case
2. Seismic Wave Modeling in Transversely Isotropic Media: Discussion on the Isotropic Case

●化學研究所●

地點：本所會議室

一. 時間：7月11日(星期四)下午 2:30

講員：蔡熿熿博士

講題：固態離子導體

二. 時間：7月11日(星期四)下午 3:30

講員：陳勝昌博士

講題：Oligomeric Clusters in the Reduced Ternary Molybdenum Oxides of the $M_n Mo_{4n+2} O_{6n+4}$ Series

三. 時間：7月18日(星期四)下午 3:30

講員：洪豐裕教授

講題：單硼烷在金屬，碳，硼叢化合物合成上應用之研究

●美國文化研究所●

時間：7月16日(星期二)下午 2:30

地點：本所研究大樓會議室

講員：Dr. Ed Mares

(澳洲國立大學自動推理計劃客座研究員)

講題：The Ontology of Fiction

●資訊科學研究所●

時間：7月11日(星期四)下午 2:00

地點：本所三樓討論室

講員：Dr. Tein-Hsiang Lin
(Univ. of New York)

講題：Scheduling Periodic and Aperiodic Tasks in Hard Real-time Computing Systems

●生物醫學科學研究所籌備處●

時間：7月11日(星期四)下午 4:00

地點：本處地下室演講廳

講員：吳光哲博士(Dept. of Microbiology and Immunology, Rollins Research Center, Emory Univ. School of Medicine)

講題：Interactions of TFIIIC with the Two Promoter Elements in the VARN1 Gene

●近代史研究所●

時間：7月13日(星期六)上午10:00

地點：本所會議室

講員：張朋園先生(本所研究員)

講題：雲貴地區識字率的增進，1902~1949

●統計科學研究所●

時間：7月15日(星期一)上午10:30

地點：本所308室

講員：羅小華教授

(美國Columbia大學統計、生物統計系)

講題：Statistical Analysis with Missing Data: Some Properties of a New Algorithm EM

●經濟研究所●

時間：7月16日(星期二)下午 2:30

地點：本所討論室

講員：Prof. Barbara Sands
(Univ. of Arizona)

講題：Changing Fortunes: The Vicissitude of Income and Consumption in 2 Chinese Villages, 1936-1939

●數學研究所●

一.時間：7月17日(星期三)下午 3:00
 地點：本所一樓會議室
 講員：項武忠院士
 講題：Cyclotomic Trace of Algebraic K-Theory

二.時間：7月18日(星期四)下午 3:00
 地點：本所一樓會議室
 講員：Prof. Edwin David Mares
 (The Australian National Univ.)
 講題：What is Entailment?

●中國文哲研究所籌備處●

時間：7月18日(星期四)1.上午 9:30
 2.下午 2:30
 地點：蔡元培館會議室
 講員：1.程元敏教授(臺灣大學中文系)、
 宋鼎宗教授(成功大學中文系)
 2.李威熊教授(政治大學中文系)、
 莊雅洲教授(中正大學中文系)
 講題：經學史及其相關問題



數學研究所邀請加拿大 Wilfrid Laurier 大學王子俠教授於七月五日至二十九日前來該所訪問。王教授之研究專長為「組合學」。

數學研究所邀請美國史丹佛大學劉太平教授於七月七日至三十一日前來該所訪問，訪問期間並主持「非線性偏微分方程研討會」。

數學研究所邀請美國洛斯阿拉莫斯國家實驗室陳永川先生於七月十二日至二十八日前來該所訪問。陳先生之研究專長為「組合學」。

數學研究所邀請美國 Massachusetts Inst. of Technology 李重遠先生於七月十六日至八月二十二日前來該所訪問。李先生之研究專長為「微分幾何」。

心臟血管研討會

生物醫學科學研究所籌備處訂於七月十七日(星期三)，邀集學者專家約一百人，假該處地下室演講廳舉辦「心臟血管研討會」，其議程如下：

第一部份：公開演講

- 8:30 Opening: Dr. Cheng-Wen Wu, Director, IBMS
- 8:35 Dr. Shu Chien (Professor of Bioengineering and Medicine, University of California, San Diego): Role of Endothelial Cell Turnover in Macromolecular Transport Across Artery Wall
- 9:10 Dr. Kung-Ming Jan (Associate Professor of Medicine, Columbia Univ., College of Physicians and Surgeons, New York): Application of Tracers to Study Cardiovascular Transport at Ultrastructure Level
- 9:45 Dr. Kenneth K. Wu (Professor and Director, Department of Internal Medicine, University of Texas Medical School, Houston): Molecular Regulation of Prostacyclin Biosynthesis in Endothelial Cells
- 10:20 Coffee Break
- 10:35 Dr. Herbert Lipowsky (Professor and Chairmen, Department of Biomedical Engineering, Pennsylvania State University, College Park): Leukocyte Adhesion to Endothelium in the Microcirculation
- 11:10 Dr. Richard Skalak (Professor of Bioengineering, University of California, San Diego, and Dr. Shu Chien): Theoretical and Experimental Studies on Molecular Aspects of Cell Adhesion

第二部份：專題討論(不對外公開)

共軛焦點光學顯微術及影像分析研討會

動物研究所訂於七月十日至十二日(星期三~五)，邀集國內外學者專家一百二十人，假該所舉辦「共軛焦點光學顯微術及影像分析研討會」，其議程如下：

七月十日(星期三)

SECTION 1 Chairman: Dr. P.C. Cheng(State University of New York, USA)

- 09:30 Dr. J. B. Pawley(University of Wisconsin, Madison, Wisconsin, USA):
The World of Microscopy
- 10:10 Dr. C. J. R. Sheppard(University of Sydney, Sydney, Australia):
Image Formation in confocal Microscopy
- 11:20 Dr. E. Stelzer(EMBL, Heidelberg, Germany):
Designing Confocal Fluorescence Microscopes for Biological Research

SECTION 2 Chairman: Dr. J. B. Pawley(University of Wisconsin, USA)

- 13:30 Dr. A. Michette(King's College, University of London, UK):
X-ray Microscopy: Prospects for High-resolution Three-dimensional Imaging
- 14:10 Dr. H. Kim(University of Rochester, New York, USA):
Interferometric Microscopy
- 15:20 Drs. P. C. Cheng and T. H. Lin(State University of New York, Buffalo, New York, USA):
Image Contrast Formation in Confocal Microscopy
- 16:10 Drs. A. Smallcombe and G. S. Benham(Bio-Rad, UK):
Laser Lines for Biological Labelling in Confocal Microscopy
- Drs. E. S. Boxall and G. Benham(Bio-Rad, UK):
The Visualization and Analysis of Confocal Data Sets

七月十一日(星期四)

SECTION 3 Chairman: Dr. A. Kriete(University of Giessen, Germany)

- 09:00 Dr. E. H. K. Stelzer(EMBL, Heidelberg, Germany):
Performance Characteristics of Confocal Fluorescence Microscopes
- 09:40 Dr. C. J. R. Sheppard(University of Sydney, Sydney, Australia):
Instrumentation for Confocal Microscopy
- 10:40 Dr. J. Pawley(University of Wisconsin, Madison, Wisconsin, USA):
Low Voltage Electron Microscopy
- 11:20 Drs. P. C. Cheng and T. H. Lin(State University of New York, Buffalo, New York, USA):
X-ray Projection Microscopy and Microtomography

SECTION 4 Chairman:Dr. A. Michette(King's College, UK)

- 13:20 Dr. A. Kriete(University of Giessen, Giessen, Germany):
Towards Four-dimensional (4-D) Computing and Visualization in
Confocal Microscopy
- 14:00 Dr. H. Kim(University of Rochester, New York, USA):
Characterization of Inertia Fusion Target by 3D Microscopic
Techniques
- 15:00 Dr. C. J. Cogswell(University of Sydney, Sydney, Australia):
High Resolution Confocal Microscopy of Phase and Amplitude Objects
- 15:40 Dr. R. Aslund(Molecular Dynamics Inc. USA):
3D Reconstruction of Confocal Image Sections Using Graphics
Workstations
- 16:20 Dr. Y. Yamauchi(Lasertec, Japan):
3D Reconstruction in Reflection Confocal Microscope

七月十二日(星期五)

SECTION 5 Chairman:Dr. E. H. K. Stelzer(EMBL, Germany)

- 09:00 Dr. R. Acharya(State University of New York, Buffalo, New York, USA):
Multidimensional Analysis of Confocal Images
- 09:40 Dr. A. Kriete and H. Georg(University of Giessen, Germany):
Optimized 3D Visualization of Biological Structures in Multi-
planar Imaging Microscopies
- 10:40 Drs.H.M. Hwang, Y.P. Lee and L.C. Ko(Chang Gung Medical College,
Kwei-san, Taipei, ROC):
Morphometric Comparison Between "Dark" and "Light" Neurons in
Rat Hippocampus: Stereoscopic View and 3D Measurement
- 11:20 Dr. B. R. Masters(Uniformed Service University of the Health
Services, Bethesda, Maryland, USA):
Three-dimensional Imaging and Visualization of the Living Eye

SECTION 6 Chairman:Dr. C.J.R. Sheppard(Univ. of Sydney, Australia)

- 13:30 Dr. E. Stelzer(EMBL, Heidelberg, Germany):
The Impact of Confocal Fluorescence Microscopy on Modern Cell
Biology: Applications at the EMBL
- 14:10 Dr. T.K. Tang(Institute of Biomedical Sciences, Academia Sinica
Taipei, ROC):
Study of Nuclear Proteins Associated with Cell Proliferation and
Differentiation by Confocal Laser-scanning Microscopy
- 15:20 Dr. S. Aoki(University of Tsukuba, Tsukuba, Japan):
Analytic X-ray Microtomography with a Conventional X-ray Source
- 16:10 Dr. Bill VanZandt(The Vital Images Inc., USA):
New Tool and Paradigms for Volume Microscopy
- 16:50 Closing Remarks
Dr. Jen-Leih Wu(Director, Institute of Zoology, Academia Sinica)