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7th
INTERNATIONAL
SYMPOSIUM ON
SUPERCONDUCTIVITY

Kitakyushu, Fukuoka, Japan
November 8-11, 1994

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SCIENTIFIC PROGRAM

ISS '94 is to be composed in principle of oral sessions for invited speakers and poster sessions for contributors. Open presentations will be welcomed in the form of posters. The symposium is to cover important new research and development in superconductivity.

■ Topics

- (1) Physics
- (2) Chemistry
- (3) Flux pinning
- (4) Wires, tapes & bulk
- (5) Thin films
- (6) Device applications
- (7) System applications

■ Invited Speakers (tentative)

Special Plenary Lectures

J.G. Bednorz (IBM Res. Center, Switzerland)
Alexei A. Abrikosov (Argonne National Lab., U.S.A.)

Plenary Lectures

Hidenori Takagi (The Univ. of Tokyo, Japan)
Masato Murakami (SRL-ISTEC, Japan)
Günter K. Müller (Univ. of Wuppertal, Germany)
Hasan Padamsee (Cornell Univ., U.S.A.)

Physics

Shawn-Yu Lin (IBM, U.S.A.)
Dale J. Van Harlingen (Univ. of Illinois at Urbana
Champaign, U.S.A.)
Walter N. Hardy (Univ. of British Columbia, Canada)
John W. Loram (Univ. of Cambridge, U.K.)
Toshizo Fujita (Hiroshima Univ., Japan)

Chemistry

Ching-Wu Chu (Univ. of Huston, U.S.A.)
J. Buttrey (Univ. of Delaware, U.S.A.)
Chang-Qing Jin (SRL-ISTEC, Japan)
Hideo Ihara (Electrotechnical Lab., Japan)

Flux Pinning

Edward M. Forgan (Univ. of Birmingham, U.K.)
Douglas K. Finnemore (Iowa State Univ., U.S.A.)
Nai-Chang Yeh (California Inst. of Tech., U.S.A.)
Irina V. Grigorieva (Univ. of Bristol, U.K.)

Wires, Tapes and Bulk

Steve P. Ashworth (Univ. of Cambridge, U.K.)
Hiroaki Kumakura (National Res. Inst. for Metals,
Japan)
Dean E. Peterson (Los Alamos National Lab., U.S.A.)
Masashi Hasegawa (The Univ. of Tokyo, Japan)
Yasuo Namikawa (SRL-ISTEC, Japan)
Takaaki Manabe (National Inst. of Materials and Chem-
ical Res., Japan)

Thin Films

C.S. Chern (EMCORE Corp., U.S.A.)
Takeshi Hatano (National Res. Inst. for Metals, Japan)
Hélène Raffy (Université de Paris-Sud, France)
Timothy A. Roberts (Argonne National Lab., U.S.A.)

Device Applications

Yorinobu Yoshisato (Sanyo Electric Co., Ltd., Japan)
M. Siegel (KFA, Germany)
R.S. Withers (Conductus, U.S.A.)
Hisashi Kado (Electrotechnical Lab., Japan)

System Applications

F. Schmaderer (Asea Brown Boveri AG, Germany)
Carel C. Dewinkel (Superconductivity, Inc., U.S.A.)
Fujiro Irie (Kyushu Electric Power Co. Inc., Japan)

■ Contributed Papers

Contributed papers are to be presented as posters in principle. Some, however, may be selected by the program committee for presentation in appropriate oral sessions. Please note that unfortunately not all submitted abstracts will be accepted due to time and space limitations.

朱经武(Ching-Wu Chu)

靳常青(Chang-Qing Jin)

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Nov. 11 (Fri.) Chemistry Main Hall

09:00 ~ 09:25

CE-1 **A NEW HOMOLOGOUS SERIES OF COMPOUNDS, Cu-12(n-1)n**

**Jin, C.-Q. Adachi, S. Wu, X.-J. Yamauchi, H. (SRL-ISTEC)*

"1个化合物新体系: $\text{Cu}_{12(n-1)n}$ "
靳常青(JIN, C.-Q)等

09:50 ~ 10:10

CE-3 **PHASE EQUILIBRIA IN THE Sr-Ca-Cu-O SYSTEM**

**Suzuki, R.O. Ono, K. (Kyoto Univ.) Gauckler, L.J. (ETH)*

10:10 ~ 10:30

CE-4 **MICROSTRUCTURE OF MELT-PROCESSED Nd-Ba-Cu-O SUPERCONDUCTORS**

**Yoo, S.I. Murakami, M. Sakai, N. (SRL-ISTEC)*

10:45 ~ 11:10

CE-5 **SOLID STATE CHEMISTRY AND ELECTRONIC STATE OF TRANSITION METAL OXIDES**

**Buttrey, J. (Univ. of Delaware)*

11:10 ~ 11:35

CE-6 **THE UNUSUAL HIGH TEMPERATURE SUPERCONDUCTING SYSTEM**

$\text{HgBa}_2\text{Ca}_{M-1}\text{Cu}_n\text{O}_{2M+2+\delta}$

**Chu, C. (Univ. of Houston)*

11:35 ~ 11:55

CE-7 **CHEMICAL STABILIZATION AND IRREVERSIBLE MAGNETIC BEHAVIOR OF $\text{HgM}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_y$ WITH $M = \text{Sr (Ba)}$ AND $n = 1$ TO 3**

**Kishio, K. Shimoyama, J. Habakura, S. Kitazawa, K. (The Univ. of Tokyo) Yamaura, k. Hiroi, Z. Takano, M. (Kyoto Univ.)*