

CONSIGLIO NAZIONALE DELLE RICERCHE

ACCADEMIA NAZIONALE DEI LINCEI

in collaborazione con

UNIVERSITÀ DEGLI STUDI ROMA TRE

MURST & PROGETTO FILLOSILICATI: ASPETTI

CRISTALLOCHIMICI STRUTTURALI E PETROLOGICI

ADVANCES ON MICAS

(Problems, methods, applications in Geodynamics)

Tavola rotonda nell'ambito della Conferenza annuale della Ricerca

2-3 NOVEMBRE 2000

PROGRAMMA - INVITO

Coordinatori: **M.F. BRIGATTI, G. FERRARIS, A. MOTTANA, F.P. SASSI**

Giovedì 2 novembre

- 8.30 Registrazione
- 9.00 Indirizzi di saluto

Presiede: **A. MOTTANA**

- 9.30 **C. CIPRIANI**: "Micas: the evolution of knowledge"
- 10.00 **G. FERRARIS**: "Structural aspects of micas"
- 10.30 **M. NESPOLO**: "Crystallographic basis of polytypism and twinning in micas"
 - 11.15 Intervallo
- 11.30 **M.F. BRIGATTI**: "Mica crystal chemistry and the influence of intensive variables on atomistic models (A)"
- 12.15 **S.J. GUGGENHEIM**: "Mica crystal chemistry and the influence of intensive variables on atomistic models (B)"

Presiede: **G. FERRARIS**

- 14.30 **T. KOGURE**: "Investigations of mica using advanced transmission electron microscopy"
- 15.15 **B. GROBÉTY**: "Microstructure in micas and their petrologic significance"
- 16.00 **A. PAVESE**: "Behaviour of micas at high pressure and high temperature conditions"
 - 16.30 Intervallo
- 16.45 **A. MARCELLI**: "Mean and local ordering of Cr in muscovite: a single crystal XRD and XAS study"
- 17.05 **C. FERRARIS**: "Nanoscale chemical and physical inhomogeneities in micas: some case studies and petrologic consequences"
- 17.25 Presentazione Posters
- 18.30 Discussione generale

Venerdì 3 novembre

Presiede: **M.F. BRIGATTI**

- 9.00 **J.B. THOMPSON JR.:** "Modal space and the role of micas in the metamorphism of pelitic schists"
- 9.20 **A. BERAN:** "Infrared spectroscopy of micas"
- 10.05 **A. MOTTANA:** "X-ray absorption spectroscopy of the micas"
 - 10.35 Intervallo
- 10.50 **M.D. DYAR:** "Spectroscopy of iron in micas"
- 11.35 **C.V. GUIDOTTI:** "Petrologic and mineralogic studies involving metamorphic K-Na natural micas: state of art and suggestions for future research (A)"
- 12.05 **F.P. SASSI:** "Petrologic and mineralogic studies involving metamorphic K-Na natural micas: state of art and suggestions for future research (B)"

Presiede: **F.P. SASSI**

- 15.00 **M. RIEDER:** "Mineral nomenclature in the mica group: promise and reality"
- 15.30 **G. FERRARA:** "Boron elemental and isotopic fractionation between biotite mica and silicate melt at magmatic temperature - a TIMS-NMR study"
 - 15.50 Intervallo
- 16.05 **K.JT. LIVI:** "Reaction pathways of micas in low-grade metaclastics"
- 16.25 **A. SHEBANOV:** "Regional mineralogical correlation linking post- and anorogenic magmatic events: evidence from unusual barian biotites in the Järppilä rapakivi porphyries, Vehmaa batholith (S. Finland)"
- 16.45 Tavola rotonda coordinata da **A. MOTTANA e F. P. SASSI**
- Chiusura dei lavori

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Comitato ordinatore: Proff. G. Bernardi, L. Bianco, S. Carrà, R. Cipollini, M. D'Alessio, M. Fontanesi, A. Mottana, L. Paganetto, G. Salvini, G. Susini, V. Verra, E. Vesentini

ROMA - PALAZZINA DELL'AUDITORIO - VIA DELLA LUNGARA, 230