

CONSIGLIO NAZIONALE DELLE RICERCHE

ACCADEMIA NAZIONALE DEI LINCEI

CONVEGNO INTERNAZIONALE

SYNCHROTRON RADIATION:

PERSPECTIVES AND NEW TECHNOLOGIES

8-9 MAGGIO 2001

PROGRAMMA - INVITO

Martedì 8 maggio

- 9.00 Saluto del Presidente dell'Accademia Nazionale dei Lincei, Edoardo VESENTINI
 - Giorgio SALVINI: Apertura dei lavori
- 9.45 Yves PETROFF (ESRF, Grenoble): "Status and perspectives of research at third generation sources"
- 10.30 Martino BOLOGNESI (Università di Genova): "Metalloproteins and high throughput structural biology"
 - 11.00 Intervallo
- 11.30 Adriana ZAGARI (Università di Napoli Federico II): "Growth of protein crystals and structure analysis"
- 12.00 Stefano MANGANI (Università di Siena): "Application of synchrotron radiation to structural biology"
- 12.30 Giuliana TROMBA (Sincrotrone Trieste): "Application of synchrotron radiation to mammography"

- 15.30 Maya KISKINOVA (Sincrotrone Trieste): "Application of synchrotron radiation photoemission microscopy to the study of catalysis"
- 16.00 Carlo CARBONE (CNR, Trieste): "Electronic properties of magnetic systems of low dimensionality"
 - 16.30 Intervallo
- 17.00 Maria Novella PIANCASTELLI (Università di Roma Tor Vergata): "Application of synchrotron radiation to spectroscopy and dynamics of small molecules"
- 17.30 Andrea GOLDONI (Sincrotrone Trieste): "Surface phase transitions in fullerene-based systems: synchrotron radiation experiments and perspectives"
- 18.00 Russell J. HEMLEY (Carnegie Institution Washington D.C.): "Synchrotron radiation and the nature of materials under extreme pressures"

Mercoledì 9 maggio

- 9.30 Settimio MOBILIO (Università di Roma Tre): "Synchrotron radiation in Europe today and in the near future"
- 10.00 Robert SCHOENLEIN (Berkeley National Laboratory): "Generation and application of femtosecond X-rays from the Advanced Light Source"
 - 10.45 Intervallo
- 11.15 Albrecht WAGNER (DESY, Amburgo): "The X-ray FEL Laboratory at TESLA. Scientific and technological perspectives"
- 12.00 Alberto RENIERI (ENEA, Roma): "Free electron laser as a fourth generation"

- synchrotron radiation source"
- 12.30 Gennadiy N. KULIPANOV (Budker Institute of Nuclear Physics, Novosibirsk): "Fourth generation light sources based on energy-recovery linacs"
 - 15.30 Francesco SETTE (ESRF, Grenoble): "High resolution spectroscopy with new generation machines"
 - 16.15 Janos HAJDU (Uppsala University): "Potential use of X-ray free-electron lasers in structural biology ‐ the fall of the wall"
 - 17.00 Intervallo
 - 17.30 Massimo ALTARELLI (Sincrotrone Trieste): "Concluding remarks on the perspectives of synchrotron radiation"
 - 18.00 Gianfranco CHIAROTTI (Università di Roma Tor Vergata): Discussione generale

COMITATO SCIENTIFICO: Massimo Altarelli, Ivano Bertini, Maurizio Brunori, Carlo Calandra, Gianfranco Chiarotti, Claudio Furlani, Dante Gatteschi, Enzo Iarocci, Settimio Mobilio, Carlo Paorici, Paolo Perfetti, Carlo Rizzuto, Flavio Toigo

COMITATO ORDINATORE DELLA CONVENZIONE LINCEI-CNR: Giorgio Bernardi, Lucio Bianco, Sergio Carrà, Romano Cipollini, Maria D'Alessio, Marcello Fontanesi, Annibale Mottana, Luigi Paganetto, Giorgio Salvini, Valerio Verra, Edoardo Vesentini

ROMA - PALAZZO CORSINI - VIA DELLA LUNGARA, 10