

**ACCADEMIA NAZIONALE DEI LINCEI
FONDAZIONE «GUIDO DONEGANI»**

INCONTRO ITALO-TEDESCO

CURRENT ISSUES IN CRYSTAL GROWTH FROM THE VAPOUR

8-9 NOVEMBRE 2005

PROGRAMMA - INVITO

COMITATO SCIENTIFICO: F. BASSANI (Scuola Normale Superiore, Pisa), K.W. BENZ (FMF - Freiburg Universität), S. CALIFANO (Università di Firenze), S. CARRÀ (Politecnico di Milano), G. CHIAROTTI (Università di Roma Tor Vergata), R. FORNARI (Institute for Crystal Growth - IKZ, Berlin), M. HEUKEN (Institut für Halbleitertechnik, Aachen), C. PAORICI (Università di Parma), P. SPADON (Università di Padova), G. G. VOLPI (Università di Perugia)

PROGRAMMA

Martedì 8 novembre

- 9.30 Saluto della Presidenza dell'Accademia dei Lincei
- 9.40 S. CARRÀ: Introduzione
- 10.00 K.W. BENZ (FMF - Freiburg University): Vapour growth in microgravity - Case history: cadmium telluride
 - 10.45 Intervallo
- 11.00 L. CAROTENUTO (MARS, Napoli): Crystal growth from the vapour phase in microgravity
- 11.45 D. SICHE (IKZ, Berlin): Bulk growth of silicon carbide from the vapour phase - New approaches to reduce the defect density

- 15.00 A. ZAPPETTINI (IMEM-CNR, Parma): Stoichiometry defect detection and control by laser absorption in the vapours of binary crystals
- 15.45 T. BOECK (IKZ, Berlin): Vapour-liquid-solid mechanism as a tool for the growth of nanostructures
 - 16.30 Intervallo
- 16.45 M. L. TERRANOVA (Università di Roma Tor Vergata): Vapour growth of nanocrystalline diamond and tubular nanographites

Mercoledì 9 novembre

- 9.30 K. PLOOG (P. Drude Institut, Berlin): MBE growth of semi-magnetic materials for spintronics
- 10.15 S. FRANCHI (IMEM-CNR, di Parma): MBE nanostructures and quantum effects
 - 11.00 Intervallo
- 11.15 C. CAVALLOTTI (Politecnico di Milano): PECVD of thin solid films
- 12.00 W. RICHTER (Università di Roma Tor Vergata): In situ characterization techniques in the epitaxial deposition by CVD and MOCVD

- 15.15 N. LOVERGINE (Università di Lecce): Vapour phase growth of quasi one-dimensional nanocrystals
 - 16.00 Intervallo
- 16.15 M. WEYERS (FBH, Berlin): Vapour phase epitaxial growth of GaN
 - 17.00 Discussione generale

This Italo-German meeting, which continues a series of similar joint events previously organized in Italy, France and Germany, is aimed at discussing theoretical, experimental and technological aspects of the vapour growth of bulk and epitaxial-layer crystals in their most recent developments and trends.

This initiative of the Accademia dei Lincei (Fondazione Donegani) is held under the auspices of the Italian Association of Crystallography (AIC), the Deutsche Gesellschaft für Kristallwachstum und Kristallzüchtung (DGKK), the Commission on Crystal Growth of the International Union of Crystallography (IUCr) and the Italian Physical Society (SIF).

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