



E-MRS Spring Meeting 2001
June 5 - 8, 2001

Symposium on:
Silicon Optoelectronics, the European effort

Strasbourg June 5, 2001

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- 9:30 **Welcome and introduction to the meeting** P. Malinverni
- 10:00 **“Optical Link in Silicon: Results and future development”** M. Balucani,
V. Bondarenko, G. Lamedica and A. Ferrari, INFN Rome (OLSI)
- 10:30 **Research Highlights of Project SILITE** K J Kirkby, *T Butler, M Lourenco,*
C M Mckinty, K P Homewood University of Surrey.
- 11:00 Coffee Break**
- 11:30 **Optical and structural properties of Ru₂Si₃ and beta-FeSi₂.** *B. Schuller,*
R. Carius, D. Lenssen, S. Lenk and S. Mantl, Forschungszentrum Jülich.
(SILITE)
- 12:00 **“Perspectives on Si/SiO₂ multilayers as an active material for opto-
electronics applications”** Alberto Lui, *G. Pucker, P. Bellutti, N. Zorzi,*
IRST-ITC. Z. Gaburro, V. Mulloni, M. Cazzanelli, L. Pavesi INFN and
Dipartimento di Fisica, Povo Italy (SMILE)
- 12h30 Lunch**
- 14:00 **“Carrier transport and electroluminescence in Si/CaF₂ quantum wells”**
F. Bassani, *S. Menard, G. Guirleo and F. Arnaud d’Avitaya,* CRMC2-
CNRS. *V. Ioannou-Sougleridis and A. G. Nassiopoulou,* Institute of
Microelectronics NCSR Demokritos. *T. Ouisse,* LPCS, UMR CNRS
(SMILE)
- 14:30 **“Device aspects of electrically pumped light emission from Er-doped
silicon”** W.-X. Ni, *G.V. Hansson, C.-X. Du, F. Duteil, A. Elfving* Dept. of
Physics, Linköping University. *A. Vörckel* AMO GmbH, (SIBOIA)
- 15:00 Coffee Break**
- 15:30 **“Ge dot and SOI technologies for integrated optics at 1.55 μm”** A.
Vörckel, *C. Moorman, H. Kurz* AMO GmbH, Advanced Microelectronic
Center Aachen. *M. Herbst, C. Schramm, K. Brunner, G. Abstreiter* Walter
Schottky Institut, TU München (SIBOIA)
- 16:00 Discussion**
- 17h00 End of the workshop**