

Schedule for the E-MRS Short Course: "Fundamentals and Applications of Nanotechnologies"

May 23 and May 24 of 2004 -- Room Kleber (Ground floor), Palais de la Musique et des Congres, Place de Bordeaux, Wacken, Strasbourg

Time	Lecture theme	Lecturer
<u>Sunday</u>		
2.45p	Course introduction & Course logistics	Dr. Martínez Duart
3.00p	Presentation of the course: current trends, societal implications and European strategies nanotechnologies	Dr. Grimmeiss
3.50p	Physical & electronic properties of quantum heterostructures with applications to microelectronics	Dr. Martínez Duart
5.15p	Break	
5.30p	Physics and fabrication of Single Electron Devices	Dr. Tonneau
6.45p	Materials and applications of nanotechnologies to biosciences	Dr. Steingröver
7.45p	End of day 1	
<u>Monday</u>		
9.00a	Electronic properties of quantum dots	Dr. Bimberg & Dr. Schliwa
10.15a	Carbon nanotubes	Dr. Biro
11.15a	Break	
11.30a	Lithographic and nanoimprint technologies	Dr. Morante & Dr. Romano
12.30p	Lunch	
2.30p	Applications of nanotechnologies to optoelectronics I	Dr. Martins
3.30p	Applications of nanotechnologies to optoelectronics II	Dr. Garrido
4.30p	Break	
4.45p	Nano-composite polymer materials	Dr. Tsobnang
5.45p	Break	
6.00p	Global nanotechnology network. International cooperation in research and education	Dr. Chang & Dr. Glasow
7.00p	End of course	

Note: Lectures will be 10 minutes shorter than allotted time, to allow for a short questions & answers period