

**Advanced School on Semiconductor Nanowires, 6-12 October 2013 : Programme (tentativ)**

|                      | Sa 05.10                                            | Su 06.10                                             | Mo 07.10                                         | Tu 08.10                                          | We 09.10                               | Th 10.10                                        | Fr 11.10                                  | Sa 12.10                    |
|----------------------|-----------------------------------------------------|------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|----------------------------------------|-------------------------------------------------|-------------------------------------------|-----------------------------|
|                      | <b>Opening and Tutorial</b>                         | <b>Growth &amp; NWs Properties</b>                   | <b>Modelling</b>                                 | <b>Nanoelectronics</b>                            | <b>Excursion and Musical programme</b> | <b>Optoelectronics &amp; Energy harvesting</b>  | <b>Methods</b>                            | <b>Fellow day</b>           |
| <b>8:30 - 9:00</b>   |                                                     | <b>Bruno Daudin</b><br>CEA Grenoble, FR              | <b>Frank Glas</b><br>CNRS Paris, FR              | <b>Thomas Schäpers</b><br>FZ-Jülich, DE           |                                        | <b>Knut Deppert</b><br>Lund Univ., SE           |                                           | <b>Fellow contributions</b> |
| 9:00 - 9:30          |                                                     | MBE growth of GaN based nanowires                    | Growth mechanisms of semiconductor nanowires     | Transport in nanostructures                       |                                        | Nanowire structures for photovoltaic structures | <b>Gema Martinez-Criado</b> (ESRF)        |                             |
| 9:30 - 10:00         |                                                     |                                                      |                                                  |                                                   |                                        |                                                 | r- and t-resolved X-ray luminescence      |                             |
| 10:00 - 10:30        |                                                     | coffee break                                         | coffee break                                     | coffee break                                      |                                        | coffee break                                    | coffee break                              | coffee break                |
| 10:30 - 11:00        |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| <b>11:00 - 11:30</b> |                                                     | <b>Erik Bakkers</b><br>TU/Eindhoven                  | <b>Liverios Lymperakis</b><br>MPI Düsseldorf, DE | <b>Michael Indlekofer</b><br>Hochschule RheinMain |                                        | <b>Andreas Waag</b><br>TU Braunschweig, DE      | <b>Jaime Colchero</b><br>Univ. Murcia, SP | <b>Fellow contributions</b> |
| 11:30 - 12:00        |                                                     | Fabrication and properties of unusual crystal phases | Introduction to DFT and surface structures       | Quantum kinetic simulation of NW FETs             |                                        | GaN nanorod technology for solid state lighting | Quantitative Scanning Force Microscopy    |                             |
| 12:00 - 12:30        |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| 12:30 - <b>13:00</b> |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| <b>13:00 - 13:30</b> | <b>Registration</b>                                 | lunch                                                | lunch                                            | lunch                                             |                                        | lunch                                           | lunch                                     | Closing remarks             |
| 13:30 - 14:00        |                                                     | &                                                    | &                                                | &                                                 |                                        | &                                               | &                                         |                             |
| 14:00 - 14:30        |                                                     | break                                                | break                                            | break                                             |                                        | break                                           | break                                     |                             |
| 14:30 - 15:00        |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| 15:00 - 15:30        |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| 15:30 - <b>16:00</b> |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| <b>16:00 - 16:30</b> |                                                     | <b>Ana Cros, Univ. Valencia, SP</b>                  |                                                  | <b>Val Zwiller</b>                                |                                        | <b>Andres Cantarero, UVEG</b>                   | <b>Jan Zenneck</b>                        |                             |
| 16:30 - 17:00        | <b>Welcome</b>                                      | Vibrational prop. small D objects                    |                                                  | TU Delft                                          |                                        | Thermoelectricity in NWs                        | The Boston Consulting Group               |                             |
| 17:00 - 17:30        | <b>Rainer G. Ulbrich</b>                            | <b>Angela Rizzi, UGOE</b>                            | <b>Giancarlo Cicero, CNR-IMEM</b>                | Quantum Optics with NWs                           |                                        | <b>Martin Strassburg, OSRAM, DE</b>             | Projec Management                         |                             |
| 17:30 - <b>18:00</b> | Univ. Goettingen, DE                                | Extended defects in GaN NC arrays                    | DFT applications to NWs                          |                                                   |                                        | Shaping the light of the Future                 |                                           |                             |
|                      |                                                     |                                                      |                                                  |                                                   |                                        | <b>Poster P2</b>                                |                                           |                             |
| 18:00 - 18:30        | Optical properties of electrons in confined systems | resume' discussion                                   | resume' discussion                               | <b>Poster P1</b>                                  |                                        | <b>"nanowiring" network meeting</b>             | resume' discussion                        |                             |
| 18:30 - <b>19:00</b> |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| 19:00 - 19:30        |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |
| 19:30 - 20:00        |                                                     |                                                      |                                                  |                                                   |                                        |                                                 |                                           |                             |