<table>
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<th>Time</th>
<th>Session/Workshop</th>
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<td>08:00-08:45</td>
<td>Registration</td>
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<tr>
<td>08:45-09:00</td>
<td>Graphene2012 Opening Ceremony</td>
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<td>09:00-09:45</td>
<td>Plenary Session</td>
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<td>09:45-10:15</td>
<td>Graphene Flagship Session</td>
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<td>10:15-10:30</td>
<td>Coffee Break / Poster Session</td>
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<td>10:30-11:40</td>
<td>Parallel Workshop 1: Graphene Chemistry &amp; Materials</td>
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<td>11:40-12:10</td>
<td>Lunch</td>
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<td>12:10-12:30</td>
<td>Parallel Workshop 2: Modelling and Simulation of Graphene-based Devices</td>
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<td>13:00-14:15</td>
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<td>Parallel Workshop 5: Applications of Graphene-based Materials</td>
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**Tuesday - April 10, 2012**

**Parallel Workshop 1: Graphene Chemistry & Materials**

1. **10:00-10:30**
   - **Invited Talk**
   - Title: "Graphene: A new dimension in materials science" (Matthias Schwab, BASF SE, Germany)
   - Speaker: Matthias Schwab

2. **10:30-11:00**
   - **Tutorial**
   - Title: "Fundamentals of Graphene and Other Two-Dimensional Materials for Energy Applications" (Gabriel Crean, Luigi Colombo, Masata Masuda)
   - Speaker: Gabriel Crean

3. **11:00-11:30**
   - **Reading Room**
   - Speaker: Marco Marangoni

4. **11:30-12:00**
   - **Tutorial**
   - Title: "Graphene: From fundamentals to applications" (I: Invited Contribution / K: Keynote Contribution / O: Oral Contribution / P: Plenary Contribution / T: Tutorial)
   - Speaker: Markus Mirabella

**Wednesday - April 11, 2012**

**Parallel Workshop 2: Modelling and Simulation of Graphene-based Materials and Devices**

1. **09:00-09:45**
   - **Tutorial**
   - Speaker: Mark Hersam

2. **09:45-10:15**
   - **Tutorial**
   - Speaker: Markus Mirabella

3. **10:15-10:45**
   - **Roundtable**
   - Speaker: Jérôme Lagoute

4. **10:45-11:00**
   - **Tutorial**
   - Speaker: Alexander Klekachev
Thursday - April 12, 2012

10:00-13:00: Workshop - Combined Approaches to Graphene Using Raman Spectroscopy and X-ray Photoelectron Spectroscopy (Sponsored by Thermo Fisher Scientific)

Introduction to the workshop (Mark Wall & Tim Nunney).


XPS – graphene application examples (Tim Nunney): graphene analysis, GO vs RGO analysis, TOC doped RGO. Functionalised materials.

Summary + Q&A (Mark Wall & Tim Nunney).

**15:00-17:30: Workshop - Nanoelectrochemistry Development & Graphene Science Technology Roadmap in Russian Federation**

Friday - April 13, 2012

08:30-09:00: Jorge Smeets (MPI for Solid State Research, Germany): “Graphene field-effect transistors as room temperature nanoelectromechanical systems”.

09:00-09:30: Timo Schumann (Paul-Drude Institut für Festkörperforschung, Germany): “Graphene field-effect transistors on hexagonal boron nitride operating at microwave frequencies”.

09:30-10:00: Emiliano Pallecchi (Institut Laue Langevin, France): “Quantum Hall measurements on epitaxial graphene with oxygen adsorption”.

10:00-10:30: Alessandra Crescia (MIT – PAMP, IAPF RM1530, France): “Graphene field-effect transistors on hexagonal boron nitride”.

10:30-11:00: Co-organiser Break/Poster Session.

11:00-11:30: Nicole Mazza (EPFL, Switzerland): “Electronic and ionic transport in exfoliated graphene from first-principle simulations”.

11:30-12:00: Allen Hau (MIT, United States): “Impact of short-range scattering in Graphene Electronics”.

12:00-12:30: David Horsell (University of Exeter, United Kingdom): “Scattering mechanisms that cause 1/f noise in graphene”.

12:30-13:00: Anti-Pakka Jaakko (Technical University of Denmark, Denmark): “Transport phenomena in nanoribbons”.

13:00-13:30: Christian Schönenberger (Basel University, Switzerland): “Gapped ground states in suspended bilayer graphene”.

13:30-14:00: lunch break.

14:00-14:30: Frank Koppens (KU Leuven, Belgium): “A novel platform for quantum simulation on a tabletop scale.”

14:30-15:00: Luis Poa Torres (PUC, Chile): “Graphene: a novel platform for quantum simulation on a tabletop scale.”

15:00-15:30: Rosemary Campisi (University of Melbourne, Australia): “Fusing the transport properties of graphene through atomic layer engineering.”

15:30-16:00: Tim Echtermeyer (Universität Regensburg, Germany): “Photo thermo-electric effects in novel graphene metal–semiconductor systems.”

16:00-16:30: Christian Benz (Karlsruhe Institute of Technology, Institute of Nanotechnology (INT), Germany): “Graphene field-effect transistors on hexagonal boron nitride operating at microwave frequencies”.

16:30-17:00: Concluding remarks.