

The 5th Management Committee and Workgroup Meetings of COST Action MultiscaleSolar

Location: Institute of Physics Belgrade (IPB)

Preliminary program

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| Thursday 6 April 2017 | |
| 9:30-9:50 | Arrival and Coffee |
| 9:50-10:00 | Welcome from the host |
| 10:00-12:00 | Joint Workgroup Meeting 1 - Mini Workshop: “Recent Progress in Multiscale Modeling and Characterisation of Solar Cells” <ul style="list-style-type: none">• Efrat Lifshitz: “Rashba effect in colloidal nanocrystal and bulk Halide-Perovskites and its influence on electrical and optical properties of the materials”• Neil S. Beattie: “Quantum engineering a critical energy gap in InAs/GaAs intermediate band solar cells”• Laurent Pedesseau: “Tuning the dielectric properties of the 2D-3D halide perovskites by chemical engineering: a theoretical approach”• Javad Zarbakhsh: “Multidisciplinary Perspectives in Light Management and Solar Technology: Market Survey and Opportunities for Academic - Industrial Collaboration” |
| 12:00-13:30 | Lunch at IPB restaurant and free time for discussion |
| 13:30-15:30 | Management Committee Meeting |
| 15:30-16:00 | Coffee break |
| 16:00-17:00 | Free time for discussion |

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| Friday 7 April 2017 | |
| 9:30-10:00 | Arrival and Coffee |
| 10:00-12:00 | <p>Joint Workgroup Meeting 2: technical presentations covering recent achievements within our COST project:</p> <ul style="list-style-type: none"> • Kristian Berland: “Computing accurate dielectric functions and transport properties of semiconductors with help of a new k.p based interpolation scheme” • Shuxia Tao: “Efficient and accurate electronic structure prediction of III/V semiconductors and hybrid perovskites using DFT-1/2 method” • Christin David: “Optics on the mesoscale and plasmonics & up-/downconversion” • Urs Aeberhard: “Progress in the multiscale simulation of InAs-GaAs QD solar cells” • Nikolina Nekić: “Investigation of self-assembled Ge-based quantum dots for application in solar cells” • Slobodan Čičić: “Heuristic Modeling of Multi-junction Solar Cells Using Parallel Computing” • Jean-Louis Lazzari: “Some preliminary and questionable works on design and modeling of a hot-carrier solar cell built on a semimetal” • Janne Halme: “Optical modeling of photovoltaics for aesthetic applications” |
| 12:00-13:30 | Lunch at IPB restaurant and free time for discussion |
| 13:30-15:30 | <p>Joint Workgroup Meeting 3: future plans</p> <ul style="list-style-type: none"> • the meeting subdivided into task meetings |
| 15:30-16:00 | Coffee break |
| 16:00-17:00 | Free time for discussion |