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

Program

Thursday 6 April 2017	
9:30-9:50	Arrival and Coffee
9:50-10:00	Welcome from the host
Joint Workgroup Meeting 1 - Mini Workshop: "Recent Progress in Multiscale Modeling and Characterisation of Solar Cells"	
10:00-10:30	Neil S. Beattie: "Quantum engineering a critical energy gap in InAs/GaAs intermediate band solar cells"
10:30-11:00	Laurent Pedesseau: "Tuning the dielectric properties of the 2D-3D halide perovskites by chemical engineering: a theoretical approach"
11:00-11:30	Javad Zarbakhsh: "Multidisciplinary Perspectives in Light Management and Solar Technology: Market Survey and Opportunities for Academic - Industrial Collaboration"
11:30-12:00	Christin David: "Optics on the mesoscale and plasmonics & up-/downconversion"
12:00-13:30	Lunch at IPB restaurant and free time for discussions
Joint Workgroup Meeting 2	
13:30-13:45	Søren Peder Madsen: "Modeling and optimization in the SunTune project"
13:45-14:00	Federica Cappelluti: "Device level simulation of III-V quantum dot solar cells through self-consistent modeling of transport and quantum dot carrier dynamics"
14:00-14:15	Spilios Dellis: "Fabrication of plasmonic templates by combination of vacuum deposition and excimer laser annealing"
14:15-14:30	Vesselin Donchev: "Activities on dilute nitrides in the last months"
14:30-14:45	Laurentiu Fara: "Electrical and optical modelling and simulation of Cu_2O subcell in a Si-based tandem heterojunction solar cell"
14:45-15:30	Coffee break and free time for discussions
15:30-16:30	**Management Committee Meeting**
16:30-17:00	Free time for discussions

Friday 7 April 2017	
9:30-10:00	Arrival and coffee
Joint Workgroup Meeting 3	
10:00-10:15	Kristian Berland: "Computing accurate dielectric functions and transport properties of semiconductors with help of a new **k.p** based interpolation scheme"
10:15-10:30	Shuxia Tao: "Efficient and accurate electronic structure prediction of III/V semiconductors and hybrid perovskites using DFT-1/2 method"
10:30-10:45	Felipe Murphy Armando: "Characterising Ge/InGaAs quantum wells: engineering quantum confinement via interface termination and strain"
10:45-11:00	Urs Aeberhard: "Progress in the multiscale simulation of InAs-GaAs QD solar cells"
11:00-11:15	Nikolina Nekić: "Investigation of self-assembled Ge-based quantum dots for application in solar cells"
11:15-11:30	Slobodan Čičić: "Heuristic Modeling of Multi-junction Solar Cells Using Parallel Computing"
11:30-11:45	Janne Halme: "Optical modeling of photovoltaics for aesthetic applications"
12:00-13:30	Lunch at IPB restaurant and free time for discussions
13:30-16:00	**Joint Workgroup Meeting 4**: future plans • the meeting subdivided into task meetings (Coffee break at 14:30-15:00)
16:00-17:00	Free time for discussions

Practical information:

Wireless network: COST
Eduroam is available in the meeting room
Bus stops near IPB: Tršćanska (17, 73, 84, 704, 707), Filipa Višnjića (706)