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Subject: STSM of Martin Schnedlitz in Madrid

Graz, Dec 20, 2018

Dear Professor Grubišić,

I hereby confirm my intention to send my PhD Student Martin Schnedlitz to the research group of my colleague Dr. María Pilar de Lara-Castells at the C.S.I.C in Madrid. A stay of two weeks is planned for the end of January, preferably from 21.1. to 3.2. 2019. We are currently collaborating on a combined experimental and theoretical investigation of mixed-metallic nanoparticles, where electronic structure methods are used together with efficient, force-field-based MD simulation techniques. Martin's objective will be to adjust and test a new force-field describing the interaction of Ni and Au atoms in metallic nanoparticles, study structural features of core-shell clusters of varying size and composition, and investigate the possibility to describe selected phase transitions on the nanoscale via molecular dynamics simulations.

Our group has enjoyed fruitful collaborations already with Dr. María Pilar de Lara-Castells which led to a series of high impact publications. Now, in these final stages of the COST action MOLIM, we would like to intensify our combined efforts one more time in order to finalize an extensive publication containing also very recent experimental findings produced here in Graz in cooperation with our local research partner Prof. Wolfgang Ernst.

It would be a great opportunity for Martin Schnedlitz, who has been trained in lab work as well as in molecular modelling, to deepen his insights into various theoretical models in such an excellent research environment as provided by the group of Dr. de Lara-Castells. I thank you in advance for considering our STSM suggestion, and apologize for the rather late notice.

With best regards,



Ass.Prof. Dr. Andreas Hauser