

## International Day of Glass-Based Materials and Applications 'GBMA23'

### Program

09:15 – 11:00	Dr. <b>Achraf Atila</b> , Department of materials science and engineering, Saarland University, Saarbrucken, Germany. <b>'Atomistic simulations in Glasses'</b>
11:00 – 11:20	Coffee break
11:20 – 11:40	Abdelali Samiri, FPK, USMS. <b>'Insights into the Structural and Elastic Properties of Binary Mg<sub>25</sub>Al<sub>75</sub> Metallic Glasses: Effects of Cooling Rates and Annealing'</b>
11:40 – 12:00	Abderrazak Toulil, FPK, USMS. <b>'Nanoparticle size effect on thermal conductivity of Cu-water nanofluid using molecular dynamics simulations'</b>
12:00 – 12:20	Adil Houba, FPK, USMS. <b>'Investigating the Effects of High Pressure on Medium-Range Order and Dynamical Heterogeneity in Metallic Glass Ta Using Molecular Dynamics Simulations'</b>
12:20 – 12:40	Hayat Haouas, FPK, USMS. <b>'Size and temperature effect on surface energy of Au and Fe nanoparticles from atomistic simulations'</b>
12:40 – 13:00	Youssef Ouldhnini, FPK, USMS. <b>'Exploring the Intrinsic Antioxidant Activity of Soda Lime Silicate Bioactive Glasses via Reactive Molecular Dynamics Simulation'</b>
15:00 – 15:20	Said Bogtob, FPK, USMS. <b>'The influence of reinforcement diameter on the mechanical properties of an amorphous matrix, Al/Ni'</b>
15:20 – 15:40	Hassan Ataalite, FPK, USMS. <b>'Electrodeposition of silver metal on silver cathode surface, a simulation study: Kinetic Monte Carlo-Embedded atom method'</b>
15:40 – 16:00	Mohammad Maymoun, FPK, USMS. <b>'Two-dimensional penta-siligraphene monolayer for optoelectronics and photocatalytic water splitting: a first-principles study'</b>
16:00 – 16:20	Mohammed Lamhani, FPK, USMS. <b>'Experimental and ab initio study of the structural, optical and electronic properties of cubic perovskites SrTi<sub>1-x</sub>Co<sub>x</sub>O<sub>3</sub> (0 ≤ x ≤ 0.5)'</b>
16:40 – 17:00	Said Oukahou, FPK, USMS. <b>'Enhancing the electronic and ionic conductivity of LiMnPO<sub>4</sub> as cathode materials for Li-Ion Batteries through Ni-Fe co-doping'</b>
17:00 – 17:20	Ayoub Benaddi, FPK, USMS. <b>'Investigation of hydrogen storage on the 2D-BP system'</b>
17:20 – 17:40	Abdelali Elomrani, FPK, USMS. <b>'Evaluating the potential of h-BSb as anode material for rechargeable ion batteries'</b>
17:40 – 18:00	Table round