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# Young Researchers' Workshop on Machine Learning for Materials | (smr 3701)

## Thursday 12 May 2022

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| 09:40 | Industrial Applications of Generative Machine Learning Methods | SEBASTIANO SACCANI |
| 10:00 | Exploring Drugs’ Solid State Landscape Using Atomistic Machine Learning | ANDREA ANELLI |
| 10:20 | Panel Discussion and Coffee | |
| 11:20 | Towards Predicting Corrosion Inhibitors’ Performance with Machine Learning | SINTIJA STEVANOSKA, JOžEF STEFAN INSTITUTE, SLOVENIA |
| 11:40 | Deep Learning for Excited States and Molecular Design | JULIA WESTERMAYR |
| 12:20 | Lunch Break & Registrations | |
| 14:00 | Data-driven High-throughput Experimentation Using Combinatorial Material Science Methods and Machine Learning | LARS BANKO |
| 14:40 | Precise Atom Manipulation Through Deep Reinforcement Learning | I-JU CHEN |
| 15:00 | Evaluation of Descriptors for Property Predictions of Glasses by Machine Learning | FELIX ARENDT |
| 15:20 | Coffee Break | |
| 15:40 | AI4science at Microsoft Research | RIANNE VAN DEN BERG |
| 16:00 | Alchemical Machine Learning for High Entropy Alloys | NATALIYA LOPANITSYNA |
| 16:20 | The Phase Diagram of Iron up to Earth’s Inner Core Conditions | ZHI LI |
| 16:40 | Machine Learning Techniques in Heterogeneous Catalysis | NURIA LOPEZ |