



KEMIJSKI INŠTITUT

Vabilo na Forum40 / Invitation to the Forum40

dr. Klemen Pirnat

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Četrtek / thursday, 23.2.2017 ob / at 13:00

Velika predavalnica Kemijskega inštituta / Lecture hall, National Institute of Chemistry; Hajdrihova 19, Ljubljana

Lithium- and Magnesium-Organic Batteries

Lithium batteries are becoming more and more indispensable in our everyday life- from portable electronics to electric vehicles (EVs). Li-batteries have the highest energy densities compared to other battery technologies. Nevertheless, further improvements in energy density are needed for future applications (especially for EVs). To achieve this goal, other technologies have to be developed. New systems like Li- and Mg-organic batteries are safer, sustainable and environmentally friendlier compared to current Li-inorganic technologies. Our research covers grafting of electroactive compounds on different surfaces, preparation of electroactive polymers and testing them in Li and Mg battery systems.



Vljudno vabljeni / Kindly invited