

The 93rd GREEN Seminar



New Materials Development for Li Ion Batteries: From electrodes to solid electrolytes

Chair: Dr. Kei Kubota (GREEN)

Prof. Peter Slater

(School of Chemistry, University of Birmingham, U.K.)

Research into lithium ion battery materials has grown substantially over the last decade following their introduction into hybrid and all electric vehicles. This growth is forecast to increase as governments worldwide look to transition towards zero emission transport, as well to introduce large scale stationary energy storage to complement renewable energy expansion. In this talk I will highlight some educational resources from my group describing how Li ion batteries work, and describe some of our recent research on the development of new electrode materials (from cathode materials to high power anodes), as well as doping strategies in garnet solid state electrolytes.

Venue: Rm. 409/410, 4F, Collaborative Research Bldg.,
Namiki-site

Date: Tuesday, December 5th, 2023

Time: 10:00-11:00

Contact: KUBOTA.kei@nims.go.jp