**Research Scientist Position in Materials for Metal-Ion Batteries.**

The Skoltech Center for Electrochemical Energy Storage (CEE), Moscow, Russia has an open full time Research Scientist position in the research group of Professor Artem Abakumov, in the area of Materials for Metal-Ion Batteries. The appointment is for a period up to 2 years with a possibility for further prolongation.

**Research Areas and Job Description:**

We are seeking a Research Scientist with expertise in solid state inorganic chemistry, material synthesis, crystal chemistry and crystallography to work on advanced electrode materials for next generation of metal-ion batteries. You will be a part of team working on designing cathode materials for post-Li batteries aiming at finding new hosts for reversible alkali cation intercalation, developing the synthesis and processing methods to get new materials with the microstructure optimized for best electrochemical performance and establishing the links between the electrochemical behavior, crystal structure, electronic structure and chemical composition. Knowledge in X-ray powder diffraction and electrochemical material science is an asset. Practical skills in battery assembling and testing are highly appreciated. Skoltech is an international university with English as working language, so good English skills are mandatory.

**Responsibilities**:

* Preparation of materials with a set of synthesis methods, compositional and structural characterization, electrochemical testing.
* Development and optimization of methods for sample preparation
* Data analysis to share with collaborators and for research grants and reports
* Publishing your results in peer-reviewed international journals
* Creating and protecting intellectual property

**Qualifications successful candidates will have:**

* PhD degree in Chemistry or Material Science
* Minimum of 3 years of working experience in inorganic chemistry, solid state chemistry or related field
* Minimum 5 publications in peer-reviewed international journals for last 3 years
* fluent English

**Other desirable qualifications:**

* Prior experience with powder X-ray diffraction and crystal structure analysis
* Expertise in soft chemistry methods, hydro(solvo)thermal techniques
* Good knowledge in electrochemistry
* Practical skills in battery assembling and testing
* Experience in upscaling of materials production
* Excellent communication and presentation skills
* Strong organization / time management skills
* Demonstrate ability to collaborate with other experts in cross-disciplinary team settings

**How to apply**: Interested candidates should upload their curriculum vitae, publication list, research statement, and reprints of a few selected publications on the Skoltech search web site selecting this vacancy from the list. The deadline for submitting the application is February 28. The selected applicant will receive a highly competitive compensation package (salary commensurate with experience, qualifications and previous publication record, housing allowance in case relocation to Moscow will be needed, medical insurance). Excellent travel and computing support will be provided. Skoltech is committed to diversity and opportunity, and application materials will be considered without regard to the gender, race, or nationality of the applicant.