

بسمه تعالی

## اطلاعیه برگزاری سمینار علمی

عنوان:

### پیشگویی، غربال و تحلیل مواد نانو با استفاده از محاسبات پیشرفته کامپیوتری

ارائه دهنده:

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Abstract:

Improvement of known as well as discovery of novel nanomaterials hold the forefront of today's modern industries and electronic technologies. While experimental synthesis and characterization methods remain indispensable, they can be enhanced and guided effectively by theoretical computations of materials at atomistic levels thanks to modern computers and parallel machines. In this seminar, Dr. Aryanpour will present the main concepts of Computational Materials Science through sampling his experience in this field.

Dr. Aryanpour is an expert in multiple chemistry and computational fields including Catalysis, Rechargeable Batteries, Electron Transfer, Atomistic Simulations, High-throughput calculations, and Automation techniques.

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