



Namur Institute of Structured Matter



UNIVERSITÉ  
DE NAMUR

## Seminar

# Andrey V. Kaziev, PhD

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« High power pulsed magnetron sputtering of metals, oxides, and nitrides, hot and liquid target magnetrons for  $\mu\text{m}/\text{min}$ -rate deposition »

### When and where:

Thursday November 28<sup>th</sup> 2019 at 15:00  
UNamur, Rue Grafé 2, B-5000 Namur  
Chemistry & Physics building  
Room CH22 (2nd floor)

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The talk covers the overview of low-temperature plasma-related studies conducted at Plasma Physics Department (NRNU MEPhI, Moscow, Russia) with an emphasis on high power pulsed magnetron sputtering of metals, oxides, and nitrides, hot and liquid target magnetrons for  $\mu\text{m}/\text{min}$ -rate deposition of coatings, radiofrequency plasma applications for surface modifications (nitriding, microtexturing). The recent experimental results are reported, and the corresponding discharge diagnostic aspects are discussed including ion mass spectrometry, fast imaging and pulsed Langmuir probe method.