



**Theoretical and Physical Chemistry Institute
National Hellenic Research Foundation**

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LECTURE

“Laser-synthesis of 2D semiconductors”

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Thursday, October 12, 2023, 12:00

Seminar room, ground floor, NHRF

Laser-synthesis of 2D semiconductors

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Thin film semiconductors, such as 2D transition metal dichalcogenides have attracted much interest recently due to their electronic and photonic properties as well as their compositional tunability, which allows the tailoring of their performance and response within a wide spectral region. In this seminar I will discuss the use of laser radiation as a tool for the spatially selective synthesis of materials in ambient conditions and show some recent results on the growth of various 2D semiconductors, which we have obtained in the laboratory of hybrid photonics at Skoltech.