

Theoretical and Physical Chemistry Institute National Hellenic Research Foundation

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LECTURE

"Heat and Mass Transfer during the Synthesis of Functional Materials by Nanosecond Laser Pulses"

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Russia

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Studying the fundamental processes accompanying laser interactions with materials eliminates the need for an empirical approach in determining processing modes for designing new materials. This can be applied to the synthesis of colloidal solutions, thin film deposition, microstructuring of surfaces and etc. This presentation will discuss some insights into the interaction of short laser pulses from the perspective of heat-mass transfer.