

## VII Leopoldo García-Colín Mexican Meeting on Mathematical and Experimental Physics



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### **GERARDO CONTRERAS: Thin film and device processing at the Pulse Laser Deposition (PLD) laboratories of the Superior School of Physics and Mathematics (ESFM) –IPN and the Chemistry Faculty (FQ)-UAQ.**

*Thursday, 20 February 2020 11:30 (45 minutes)*

In this talk we present the research studies at Escuela Superior de Física y Matemáticas-IPN and Facultad de Química-UAQ with the use of the Pulse Laser Deposition (PLD) technique. The research work is oriented to the following topics, namely: a) The thin film processing and characterization by PLD and applications as white light emitters of HfO<sub>2</sub>; b) Thin film processing and characterization of GaN and ternary compounds by PLD and their possible use as LED's; c) The processing and characterization by PLD of Transparent Conducting Oxides of SrCuSeF and its employ in solar cells; d) The processing and photovoltaic-performance characterization of CdS/CdTe solar cells by the PLD technique.

**Session Classification:** PLENARY TALKS

**Track Classification:** SYMPOSIUM ON LASER ABLATION