

**BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA**  
**INSTITUTO DE FÍSICA**  
**“Ing. Luis Rivera Terrazas”**



**SEMINARIO SEMANAL**  
**“Jesús Reyes Corona”**

**“Printed and Flexible Electronics and  
Devices”**

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The rapid emergence of the Internet of Things era has led to increased research activities in the area of printed and flexible electronics. The activities range from ink development and characterization, printing tool and process development to obtain desirable characteristics of printed conductors, semiconductors, dielectrics and other materials, and demonstration of various printing applications on a wide variety of flexible substrates including paper, plastics and textiles. This talk will provide an overview of the above topics and applications including gas sensors, biosensors, UV and other radiation detectors, supercapacitors, triboelectric nanogenerators (TEGs), EMI shielding and others. The author thanks Jin-Woo Han, Myeonglok Seol, Beomseok Kim, Jessica Kohene, Sunjin Kim, Dongil Moon, Ram Gandhiraman, Pranay Doshi and Daniel Gutierrez for their contributions..

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