

# COLLOQUIUM

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NECKERS 156 | 3PM

RECEPTION IMMEDIATELY FOLLOWING IN THE MATH LIBRARY

**DESIGNING, FABRICATING, AND  
CHARACTERIZATION OF DEVICES  
AND MATERIALS FOR RESOURCE-  
LIMITED AREAS**

**[ABSTRACT]**

In this talk, I will describe our recent experimental work on the design, fabrication, and characterization of devices for areas and countries with limited resources. The questions of empowering the local people through available materials, resources, and human power is discussed in this talk. I will attempt to demonstrate that through creative thinking, the use of common materials in house-hold can be used for the fabrication of high-tech devices (solar cells, lithography, oil-water separation).