



ΠΑΝΕΠΙΣΤΗΜΙΟ ΚΡΗΤΗΣ

ΤΜΗΜΑ ΦΥΣΙΚΗΣ

ΓΕΝΙΚΟ ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

## PHYSICS COLLOQUIUM

**Thursday, 18 April 2013**

**17:00 -18:00**

**3<sup>rd</sup> Floor Seminar Room**

**“There's plenty of energy at the bottom: micro and nano scale nonlinear noise harvesting”**

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### **Abstract**

The future of mobile Information and Communication Technology will be strongly affected by our success in solving the question of how to power very small devices on one side and how to produce microprocessors that dissipate less energy on the other. In this talk we briefly review the role of micro-energies in these two problems and explain how fluctuations can play a significant role in the future of ICT.