

ΕΘΝΙΚΟ ΜΕΤΣΟΒΙΟ
ΠΟΛΥΤΕΧΝΕΙΟ
ΣΧΟΛΗ ΕΦΑΡΜΟΣΜΕΝΩΝ
ΜΑΘΗΜΑΤΙΚΩΝ ΚΑΙ ΦΥΣΙΚΩΝ.
ΕΠΙΣΤΗΜΩΝ
ΤΟΜΕΑΣ ΦΥΣΙΚΗΣ
ΖΩΓΡΑΦΟΥ 157 80 ΑΘΗΝΑ



NATIONAL TECHNICAL
UNIVERSITY
FACULTY OF APPLIED
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PHYSICS DEPARTMENT
ZOGRAFOU CAMPUS
GR 157 80 ATHENS

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MEMS Research at Northwestern Polytechnical University, China

Prof. Honglong Chang

Northwestern Polytechnical University (NPU) is located in ancient capital city of Xi'an. As a University of science and technology, NPU, research-oriented, multi-disciplinary, and internationally-open, outstands in aeronautics, astronautics, and marine technology. NPU owns one of the best clean rooms for micromachining among the Chinese Universities. This talk will address the work that NPU has done in the past ten years. It includes the smart skin technologies for aerodynamics or hydrodynamics, various inertial sensors with high accuracy and large measurement range, micro mirrors for projection, microfluidics chips for white blood cell counting or water quality monitoring.

Speaker Bio

Dr. Honglong Chang (IEEE Senior Member) is currently a professor at the Micro and Nano Electromechanical Systems Laboratory, NPU, where he is also currently the department head of the Department of Microsystems Engineering (DME). From Oct. 2011 to Nov. 2012, he was a Visiting Associate (Faculty) with the Micromachining Laboratory, California Institute of Technology, Pasadena, USA. His research interests include microfluidics, MEMS design tools, and MEMS inertial sensors.