



Competence Building in Higher Education  
573828-EPP-1-2016-1-BG-EPPKA2-CBHE-JP  
Internationalised Master Degree Education in Nanoelectronics in Asian Universities  
(NanoEI-Asia)

*Thanks to an European project sponsored by EACEA, we have the opportunity to develop open educational resources in the domain of micro- and nanoelectronics and we would like to get your feedback as an actor of this environment. It is anonymous targeting your complete honesty. The results will be used for all but scientific purposes. Filling this questionnaire will take you about 10 minutes.  
Thank you.*

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1. Which is your job?

- a) University teacher
- b) Trainer
- c) Engineer
- d) Manager

2. What specialty has your university, school?

- a) Classical university
- b) Polytechnics
- c) College
- d) Professional school
- e) Other (please, specify)

3. What educational level teaches your university, school?

- f) Bachelor
- g) Master
- h) Ph.D
- i) Other (Please specify)

4. Do you use open educational resources (OERs) in your institution?

- a) Yes
- b) No





5. If not, why?

- a) I am not familiar with OERs
- b) There is no benefit in my work
- c) They are too complex to use them
- d) Other (Please specify)

6. In case of using OERs, how often do you use them?

- a) Rarely
- b) Occasionally
- c) Frequently

7. What advantages do you consider that the use of OERs in practical education has?

- a) Cost efficiency
- b) Reusability
- c) Flexibility and adaptability
- d) Mobility of teachers and students
- e) Connectivity of teachers and students

8. For what teaching activities do you consider necessary the use of OERs?

- a) Collaborative learning
- b) Autonomous Learning
- c) E-learning
- d) Educational platforms
- e) Ubiquitous learning
- f) Communities for practical essays or exercises
- g) Remote laboratories
- h) Virtual laboratories
- i) Others (please specify)



9. What kind of knowledge students of microelectronics may get with the use of OERs?

	Not at all	Low	Average	High	Very High
Basic electronics					
Introduction to nanoelectronics: science & technology basics					
Nanoscience of materials/properties of nanoelectronic materials					
Nanomaterials synthesis and characterization techniques					
Carbon nano tubes and applications					
Graphene nanoelectronics: from synthesis to device applications					
Advanced nano-electronic devices: miniaturization of transistors and the resulting impact on their performance.					
Sensing at the nanoscale					
MEMS design					
Sensor interface					
Bioelectronics					
Microelectronics technology					
Nanoelectronics for ICT					
Design of nanoscale MOS ICs					
Top-down ASIC design flow					
Advanced optoelectronic instrumentation & materials					
Transportation in micro and nano systems					
Nanoelectronic materials					
Nanoelectronics quantum phenomena in nanoscale systems					
Nanotechnology for solar energy utilization					
Functional nanostructure: synthesis, characterizations and device applications					
Socio- ethical and environmental aspects of nanotechnology/nanoelectronics					
Nanoelectronics: processes, computation and design					
Nanoelectronics systems: future nanoelectronic devices and manufacturing processes					
Nanoelectronics systems: applications- quality living with smart future, present to future business systems					
BioMolecular NanoComputing					
Other (specify, please)					
Other (specify, please)					