COURSE:  HUMAN EXPOSURE TO ELECTROMAGNETIC RADIATION

Contact person: Boris Ljubenkov; boris.ljubenkov@fesb.hr

Main topics:
- Introduction to bioelectromagnetics
- Biological effects of human exposure to low frequency (LF) and high frequency (HF) fields
- Incident field dosimetry
- Electromagnetic and thermal dosimetry methods
- Risk assessment, safety guidelines and exposure limits

Programme structure:
- 5-day course
- Sample data will be provided for practice and for final presentation
- Every student gets lecture notes bound into a booklet, as well as a CD containing a digital version of the booklet

Important dates:
Course dates: 02/09/2019 – 06/09/2019
Deadline for application: 01/08/2019
Confirmation of the course: 15/08/2019
Payment due by: 24/08/2019

Price of the course: 300 € (tax included)

Programme plan:
Day 1
- Introduction to bioelectromagnetics (3h)
- Individual work/exercise (1h)
Day 2
- Incident field dosimetry methods (3h)
- Individual work/exercise (1h)
Day 3
- Electromagnetic modelling of the human body (3h)
- Individual work/exercise (1h)
Day 4
- Thermal dosimetry methods, safety guidelines Exposure limits, (3h)
- Individual work/exercise (1h)
Day 5
- Students’ final projects (3h)
- Final presentations (1h)

Programme lecturers:
D. Poljak, PhD,
Full Professor at the University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split, Croatia.
V. Doric, PhD,
Associate Prof at the University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split, Croatia.
M. Skiljo, PhD,
Teaching/research assistant at the University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split, Croatia.