

**Prof. dr. Cvetko Mitrovski**, University "St. Kliment Ohridski", Faculty of Technical Sciences, Bitola, Makedonija, održati će predavanje

**Nuclear Medicine Imaging -  
Acquisition, Image Processing and Diagnostic Analyses**

pozivaju Vas na predavanje:

u **ponedjeljak, 23. ožujka 2009.** godine u **12:30 sati**, u *Sivoj vijećnici* FER-a, Unska 3, Zagreb. Predavanje je otvoreno za sve zainteresirane. Predviđeno trajanje predavanja je 45 minuta. Predavanje su suorganizirali Hrvatska sekcija IEEE, GOLD skupina Hrvatske sekcije IEEE i Zavod za radiokomunikacije FER-a.

**ABSTRACT:** In this presentation, Prof. Mitrovski presents retrospective of his work at the department of Nuclear Medicine (NM) in Bitola which is related to the upgrade of their outdated diagnostic equipment. First, he will describe his motivation, challenges and the beginning of his activities at the department of NM, more specifically his initial work on the radiorenogram interface design. After that he will present his PC-based gamma camera upgrade system design, which includes both the hardware and the software design, specifically made for conducting various diagnostic studies. In the frame of his presentation he will present his work on the NM image processing problems he had encountered and some of the dynamic studies (determination of left-right cardiac shunt) that he introduced to the department.

**BIOGRAPHY:** Prof. Mitrovski was born in Prilep, Macedonia in 1955. He earned his B.Sc. at the Faculty of Electrical Engineering in Belgrade in 1979 where he also completed his M.Sc. degree in 1990 by defending the thesis "Design of Multivariable Controllers in State Space and Frequency Domain". In 1997 he earned his Ph.D. at the Faculty of Electrical Engineering in Skopje with the thesis: "Complex behavior in digital filters and its application in coding of information". Currently, as a full time professor, he is teaching Electronics, Signals and Systems and Signal Processing at the Faculty of Technical Sciences at the University "St. Kliment Ohridski" in Bitola, Macedonia. His current interest is in dynamic systems, complex behavior in nonlinear dynamic systems, signal processing, image processing and medical image processing. He is a chair (co-chair) of the International Conference ICEST (Information, Communication and Energy Systems and Technologies) organized by the Technical University in Sofia, the Electronics Faculty in Nis and the Faculty of Technical Sciences in Bitola. He is a member of IEEE.