



Short Course:

Prof. Ion Boldea

Prof. Lucian Tutelea

University Politehnica of Timisoara, Romania

ENCODER-LESS CONTROL OF ELECTRIC MOTORS AND GENERATORS: AN OVERVIEW WITH PERSPECTIVE

28-30 May 2018

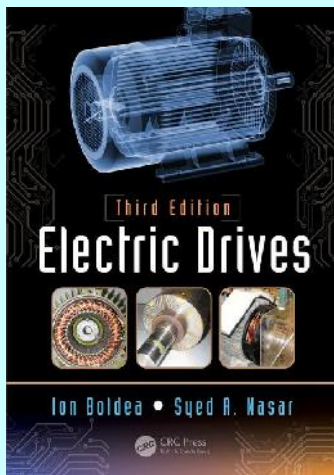
Faculty of Technical Sciences, Novi Sad, Serbia

Room 319 (Block F, 3rd Floor)

Abstract: The intensive course is dedicated to graduated students and engineers in R/D working on the advanced control of electric motors and generators for variable speed applications. Theoretical material is associated with lots of competitive recent results (on slides) and with hand on playing with dedicated user-friendly Matlab codes for such representative drives.

Course is based on the book:

I. Boldea and S.A. Nasar, "Electric Drives", 3rd edition, CRC Press 2016, Taylor and Francis, New York



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ENCODER-LESS CONTROL OF ELECTRIC MOTORS AND GENERATORS: AN OVERVIEW WITH PERSPECTIVE

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University Politehnica of Timisoara, Romania

PROGRAM:

Venue:

Faculty of Technical Sciences, Trg Dositeja Obradovića 6, 21000 Novi Sad, Serbia
Room 319 (Block F, 3rd Floor)

28 May 2018,

- 10:30h Opening of the course (Prof. Vladimir Katic)
- 11:00h V/f advanced encoder-less control of AC drives (Prof. Ion Boldea)
- 13:00h Lunch Brake
- 14:00h FOC and DTC encoder-less control of IMs (Prof. Ion Boldea)
- 17:00h End of day one.

29 May 2018,

- 09:00h FOC and DTC of PM, reluctance and DC excited SMs (Prof. Ion Boldea)
- 10:30h Coffee Brake
- 11:00h DTC encoder-less IM drive (Prof. Lucian Tutelea)
- 13:00h Lunch Brake
- 14:00h Technical visit of laboratories of the Faculty of Technical Sciences
- 17:00h End of day two.

30 May 2018,

- 09:00h Encoder-less control of electric generators (Prof. Ion Boldea)
- 10:30h Coffee Brake
- 11:00h FOC of PMSM with DC or AC current controllers (Prof. Lucian Tutelea)
- 13:00h Closing of the course.

Information:

Prof. Vladimir Katic
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