



УНИВЕРЗИТЕТ  
У НОВОМ САДУ



ФАКУЛТЕТ  
ТЕХНИЧКИХ НАУКА

Трг Доситеја Обрадовића 6, 21000 Нови Сад, Република Србија  
Декапат: 021 6350-413; 021 450-810; Централна: 021 485 2000  
Рачуноводство: 021 458-220; Студентска служба: 021 6350-763  
Телефакс: 021 458-133; e-mail: [ftmdean@uns.ac.rs](mailto:ftmdean@uns.ac.rs)

ШКОЛСКИ СИСТЕМ  
МЕДИЈАМЕНТА  
СЕРТИФИКОВАНО ОД:



148. Sastanak IEEE u Novom Sadu / 148<sup>th</sup> IEEE Meeting  
in Novi Sad  
Obaveštenje / Announcement

## Prof. Dragan Jov i

Aberdeen HVDC Research Centre,  
University of Aberdeen, Aberdeen, UK  
[d.jovic@abdn.ac.uk](mailto:d.jovic@abdn.ac.uk)



У **utorak, 13. 09. 2016.** u Sve anoj sali  
Fakulteta tehni kih nauka u Novom Sadu sa  
po etkom u **15:00 h**, održa e se

On **Tuesday, September 13<sup>th</sup>, 2016**, in the  
Ceremonial Hall of the Faculty of Technical  
Sciences at **3:00 pm** will deliver

### PREDAVANJE - LECTURE

#### DC TRANSMISSION GRIDS: COMPONENTS, MODELLING, CONTROL AND PROTECTION CHALLENGES

#### **Mreže za prenos jednosmernom strujom: Komponente, upravljanje i problemi zaštite**

**Abstract:** High Voltage DC Transmission has seen rapid technology advances in the last 20 years driven by the implementation of VSC (Voltage Source Converters) at MW and GW powers and in particular introduction of MMC (Modular Multilevel Converters). The development of interconnected DC transmission grids will require significant further advance from the existing point-to-point HVDC links, but it is widely believed that complex DC power grids can be built with comparable performance, reliability, flexibility and losses as traditional AC grids. The primary motivation for DC grid development is the need to interconnect multiple DC lines located in close proximity, and to enable power trading between many DC terminals, as an example in the proposed North Sea DC grid, or EU-wide overlay DC grid.

*Doktorske studije: Aktuelno stanje u oblasti,*

 Serbia and Montenegro Section	<b>IEEE – Serbia &amp; Montenegro Section</b>	
 Power & Energy Society®	<b>Power &amp; Energy Society Chapter</b>	
 Celebrating 25 Years 1988-2013 IEEE POWER ELECTRONICS SOCIETY Powering a Sustainable Future	 1951-2011 ice 60 <sup>th</sup> anniversary	 50 years IASAE IEEE INDUSTRY APPLICATIONS SOCIETY Linking Research to Practice
Joint Chapter Power Electronics, Industrial Electronics & Industry Applications Societies, <b>NOVI SAD,</b> <a href="http://www.ieee.uns.ac.rs">http://www.ieee.uns.ac.rs</a>		