УНИВЕРЗИТЕТ У НОВОМ САДУ
ФАКУЛТЕТ ТЕХНИЧКИХ НАУКА

Трг Доситеја Обрадовића 6, 21000 Нови Сад, Република Србија
Деканат: 021 6350-413; 021 450-810; Централа: 021 485 2000
Рачуноводство: 021 458-220; Студентска служба: 021 6350-763
Телефакс: 021 458-133; e-mail: ftndean@uns.ac.rs

ИНТЕГРИСАНИ СИСТЕМ МЕНАЏМЕНТА СЕРТИФИКОВАН ОД:

IEEE Celebrating 125 Years of Engineering the Future 1884 – 2009

152. Sastanak IEEE u Novom Sadu / 152nd IEEE Meeting in Novi Sad

Obaveštenje / Announcement

Prof. Mladen Kezunovic

Eugene E. Webb Professor
Texas A&M University, Department of Electrical and Computer Engineering
Director of Smart Grid Center,
College Station, Texas, U. S. A.

U **petak, 04. 11. 2016.** u Beloj Sali Fakulteta tehničkih nauka u Novom Sadu (Kula, III sprat) sa početkom u **12:00 h**, održaće se

On **Friday, November 4th, 2016**, in the White Hall of the Faculty of Technical Sciences (Kula, 3rd Floor) at **12:00 pm** will deliver

PREDAVANJE - LECTURE

SYNCHROPHASOR TECHNOLOGY: BENEFITS AND PITFALLS

Tehnologija sinhronih fazora: Prednosti i nedostaci

Abstract: Synchrophasor technology was introduced over 30 years ago and only recently resulted in large scale deployments in the USA made possible largely through the American Recovery and Reinvestment Act of 2009. This technology offers unique measurement capabilities and several monitoring, control and protection applications were introduced to take advantage of this technology. The benefits are foreseen in many areas ranging from situational awareness and stability control to system integrity protection (SIPS) schemes. This talk discusses how this technology works, when it may be advantageous to use it, what are perceived benefits, why it still needs further development and what the pitfalls are. With over 2000 phasor measurement units installed in the US grid, and with close to $4billion in investments already made, the projection what the next steps are is made. The trend of this technology being widely used not only in the transmission grid but also in distribution systems and customer applications is explored. The talk ends with discussion of the testing and certification process to be followed for this technology to be a viable solution going forward.

Katedra za elektroenergetiku i primenjeno softversko inž.
Doktorske studije: Aktuelno stanje u oblasti,

IEEE Serbia and Montenegro Section

IEEE – Serbia & Montenegro Section

Joint Chapter Power Electronics, Industrial Electronics & Industry Applications Societies, NOVI SAD, http://www.ieee.uns.ac.rs

pels Celebrating 25 Years 1988-2013 IEEE POWER ELECTRONICS SOCIETY Powering a Sustainable Future

1951-2011 IEC 60th anniversary

50 years IAS IEEE INDUSTRY APPLICATIONS SOCIETY Linking Research to Practice