



188. IEEE sastanak u Novom Sadu 188th IEEE Meeting in Novi Sad

U saradnji sa:
Departmanom za energetiku,
elektroniku i
telekomunikacije Fakulteta
tehničkih nauka, Novi Sad i
Društvom za energetska
elektroniku Srbije, Novi Sad



In collaboration with:
Department for Power, Electronics
and Telecommunication Eng. of the
Faculty of Technical Sciences, Novi
Sad, and
Power Electronics Society of
Serbia, Novi Sad

OBAVEŠTENJE / ANNOUNCEMENT

U **sredu, 21. 06. 2023.** u sali NTP L1 u
Naučno-tehnološkom parku Novi Sad
(FTN deo) u Novom Sadu, sa početkom
od **12:00h**, predavanje će održati

On **Wednesday, June 21, 2023**, in the hall,
NTP L1 of the Science & Technology Park
Novi Sad (FTS wing) in Novi Sad at **noon** a
lecture will be delivered by

Prof. Dushan Boroyevich
Virginia Tech, Blacksburg (VA), USA

Topic: SUSTAINABLE ENERGY FUTURE AND POWER GRID GLOBALIZATION

Tema: Održiva energetska budućnost i globalizacija elektromreže

Abstract: Future power grid will be based on renewable energy sources with negligible CO₂ emissions and effects on climate change. To avoid their intermittency problems and to deliver the energy where it is needed the most, an improved power grid is needed. A possible solution is the formation of a global network of undersea and underground electrical HVDC lines connected by electronic energy routers. Such a global power grid, the Intergrid, could collect energy from wherever the sun is shining and the wind is blowing and deliver it instantly, at the speed of light, to customers anywhere around the world. The lecture will discuss the advantages and disadvantages of such a concept, possible organization, control, and other issues of such a global power system.



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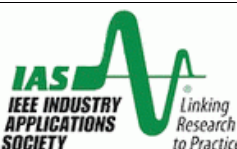
**Joint Chapter of Power Electronics, Industrial Electronics &
Industry Applications Societies, NOVI SAD**
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