



УНИВЕРЗИТЕТ
У НОВОМ САДУ



ФАКУЛТЕТ
ТЕХНИЧКИХ НАУКА

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

ИНТЕГРИСАНИ
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169. Sastanak IEEE u Novom Sadu /169th IEEE Meeting in
Novi Sad
Obaveštenje / Announcement

Aleksandra Pižurica

Ghent University

**Department Telecommunications and Information
Processing (TELIN)
Ghent, Belgium**



e u **petak, 21. 12. 2018.** u Beloj Sali (Kula, III sprat) Fakulteta tehni kih nauka u Novom Sadu, sa po etkom u **13:00h**, održati

On **Friday, December 21, 2018**, in the White Hall (Kula, 3rd floor) of the Faculty of Technical Sciences Novi Sad at **1:00 pm** will deliver

P R E D A V A N J E L E C T U R E

MULTI-MODALNA OBRADA SLIKE I MAŠINSKO U ENJE U KOMPJUTERSKOJ VIZIJI

MULTIMODAL IMAGE PROCESSING AND MACHINE LEARNING IN COMPUTER VISION

Abstract: We are experiencing unprecedented access to multiple data modalities, often at massive scale. In various disciplines, the information about the same phenomenon is being acquired with a multitude of different sensors. The availability of these high-dimensional and heterogeneous data opens up new possibilities in information processing along with entirely new challenges. In this talk, we discuss some of the state-of-the-art approaches in addressing these problems, with the focus on representation learning, sparse coding and Bayesian inference, with applications in remote sensing and scene analysis from hyperspectral data. The second part of the talk will address applications in art investigation. Art conservation science relies increasingly on a multidisciplinary research including new sensing technologies and techniques for analysing multimodal data. Examples will be shown from the ongoing restoration of Van Eyck's masterpiece, the Ghent Altarpiece.

CEVAS, Katedra za telekomunikacije i obradu signala i



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