



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: ftndeans@uns.ac.rs

ИНТЕГРИСАНИ
СИСТЕМ
МЕНАџМЕНТА
СЕРТИФИКОВАН ОД:



131. Sastanak IEEE u Novom Sadu / 131st IEEE Meeting
in Novi Sad
Obaveštenje / Announcement

Prof. Dr. Veljko Milutinović

Fellow IEEE,

**Elektrotehnički fakultet, Univerzitet u Beogradu
Beograd, Srbija**



u **ponedeljak, 07. 04. 2014.** u Centralnoj
zgradi Univerziteta u Novom Sadu, Dr
Zorana Đinđića bb, u Maloj sali na II
spratu, sa početkom u **15:30 h**, održati

On **Monday, April 7, 2014**, in the Central
Building of the University of Novi Sad, Dr
Zorana Đinđića bb, Small hall, 2nd floor, at
3:30 pm will deliver

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

1. DATAFLOW SUPERCOMPUTING and 2. MIND GENOMICS

1. Abstract: This presentation analyses the essence of DataFlow SuperComputing, defines its advantages and sheds light on the related programming model. DataFlow computers, compared to ControlFlow computers, offer speedups of 20 to 200 (even 2000 for some applications), power reductions of about 20, and size reductions of also about 20. However, the programming paradigm is different, and has to be mastered. The talk explains the paradigm, using Maxeler as an example, and sheds light on the ongoing research in the field. Examples include GeoPhysics, Civil Engineering, DataMining, etc.

2. Abstract: Modern marketing tries to be individualized. The best existing methods are based on demographic questionnaires and behavior tracking. MindGenomics is based on mathematics/data mining and value exchange. In the first marketing phase, when the goal is to bring customers at the "shop entrance door", MindGenomics is about 50% superior. In the second marketing phase, when the goal is to maximize the revenue from a customer, MindGenomics is about 200% superior. This presentation reveals the essence, and sheds light on the ongoing research.

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