University of Novi Sad
Faculty of Technical Sciences
Department of Electronics
Novi Sad, Serbia

Individual expert:
prof. Goran Stojanović

Kick-off meeting, Kragujevac, March 24-26, 2009
Members of the Department of Electronics:
10 Professors,
14 research and teaching assistants
11 Ph.D. students
4 technical staff

The Head of the Laboratory for Electronic Materials Characterization:
prof. Goran Stojanović
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Cooperation with enterprises:
- Littelfuse Ireland Limited, Ireland
- Test Laboratories International Inc., USA
- ELSYS Design, Paris, France
- STMicroelectronics, Pavia, Italy
- Hotwell, Klingenbach, Austria
- Fotec, Wiener Neustadt, Austria
- HDL Design House, Belgrade, Serbia
- ICM Electronics, Novi Sad, Serbia
- IRITEL, Belgrade, Serbia
- NIS – Naftagas, Novi Sad, Serbia
- Panakva, Novi Sad, Serbia
Collaboration results

Developed products:

USB Serial Communication Board, developed for Test Laboratories International Inc., USA

SMD ferrite EMI suppressors, developed for the Littelfuse Ireland Limited, Ireland

Pressure sensor developed in cooperation with Institute for sensors and actuators systems, Vienna, Austria

An meander inductor developed in cooperation with LNESS, Como, Milan Polytechnic, Como, Italy
Collaboration results

2D Hilbert resonator, developed in cooperation with Iritel

Indoor embedded system for monitoring of critical parameters in borehole measurement (NIS - Naftagas)

Interdigitated capacitor with nanostructured titania coatings for sensors applications, completely in-house developed

Segmented thick-film NTC thermistor, completely in-house developed and patented
The main research directions:

- Integrated micro/nano inductors and transformers
- EMI suppressors
- Sensors
- Characterization of different electronic materials and components
Important Research Projects

1. FP6 project: “Reinforcement of the Center for Integrated Microsystems and Components” (ReCIMiCo - no. 043669, coordinator: prof. Ljiljana Živanov), 2007-2010.


National projects which are currently in progress:


Equipment

Some of the specific pieces of equipment are:

- Sun Blade 2500 Workstation, with 24.1-inch LCD monitor and Solaris O.S
- N5230A Agilent PNA-L Network Analyzer, 10MHz-50GHz
- E5071B Agilent Vector Network Analyzer, 300 kHz-8.5 GHz
- 4149A Impedance/Gain Phase Analyzer, 100Hz-40MHz
- RF/Microwave Wafer Probe Station, SUSS PM5
- Signatone DC Wafer Probe Station
- Hall Effect Measurement System HMS-3000
- HP 4277 A LCZ Meter to 1 MHz
**Goran Stojanović - Selected publications**


Goran Stojanović - awards:

“Dr Zoran Djindjic” award for the best researcher in Vojvodina and the highest scientific achievements in the area of technological sciences, for 2007.

Award for the best professor at the Faculty of Technical Sciences, Novi Sad, for 2008 (according to anonymous students’ questionnaire).

- Third award for the best paper at the XXXI International Conference of IMAPS, Rzeszow – Krasiczyn, Poland, 23-26 September, 2007, for the paper “Application of the LTCC technology for the fabrication of miniature 3D RF transformers”.


- “Award for the best paper of the young researcher“, XLVIII ETRAN Conference, Ćačak, Serbia and Montenegro, June 6-10, 2004, for the paper “Simple and fast inductance expression for meander inductors”.