

## CURRICULUM VITAE

Name: Miroslav R. Marić

Born: 3. 4. 1978. in: Belgrade

Sex: M

Degrees:

2002. - BSc in mathematics (University of Belgrade, Faculty of Science)  
GPA: **9.83**

Jobs:

2002. - Assistant (University of Belgrade, Faculty of Science)  
Introduction to Programming, Programming in Biology

Projects:

- 3d image processing  
National scientific project: Computer Science and Applications, project participant, Faculty of Mathematics, Belgrade  
(Using the MATLAB programming package a set of filters has been implemented which serve for preliminary processing and analysis of signals obtained from the scanner, before all, in the goal of removing the existing noise. A user environment has been developed which makes possible that this level of processing be performed by those who do not possess the appropriate mathematical education. In the other, more serious, phase we have approached the problem of surface reconstruction based only on the given set of points. The developed software performs an approximation of a scanned surface by a polygon network and does so without any a priori assumptions about its topological type and similar. Further work would mean the optimisation of the obtained polygon network in the goal of reducing the number of polygons and moving from the experimental MATLAB environment to, say, C++/OpenGL platform.)
- GIS - Group for Intelligent Systems ( <http://www.gisss.com> )

Honors:

- Norwegian government Scholarship as one of the top 1000 students in Yugoslavia (2000)
- Serbian Ministry of Education Scholarship (1998-2002)

Publications:

1. **Theorem provers based on the quantifier elimination method**  
Filip Marić, Miroslav Marić, Žarko Mijajlović, Aleksandar Jovanović  
**ETRAN, 2003**  
**AWARD FOR THE BEST YOUNG RESEARCHER'S PAPER**
2. **On some pattern classification and recognition problems in cytogenetics**  
Dragoljub Perišić, Filip Marić, Miroslav Marić, Aleksandar Jovanović, Dimitar Jakimov  
**ETRAN, 2003**
3. **CCD microscopy – image analysis by Group for Intelligent Systems (GIS)**  
Z. Djordjević, F. Marić, M. Marić, D. Perišić  
**ARCHIVE OF ONCOLOGY**, Institute for Oncology in Sremska Kamenica  
<http://www.onk.ns.ac.yu/Archive/vol11/PDFVol11/V11n2p109.pdf>
4. **A TOOL FOR ALL ASTRO SENSOR RECORDINGS FUSION INTO COLOR COMPOSITE IMAGES**  
A. Jovanović, Z. Đorđević, F. Marić, M. Marić, D. Perišić  
Serbian Astronomical Journal  
<http://saj.matf.bg.ac.yu/>
5. **MATLAB toolbox for analysis of 3d images**  
Ž. Mijajlović, B. Jovanović, F. Marić, M. Marić  
Digitization Preservation of Cultural Heritage (DPCH) Minisymposium, MASSEE 2003
6. **Assisting Hybridized Microscopic Imaging**  
Aleksandar Jovanović, Miroslav Marić, Maja Jovanović, Nenad Andonovski  
**BIOHEMED' 04** (Computer Applications in Biomedicine, Health Care & Medicine)  
**4th WSEAS International Conference on Information Science and Applications** (ISA' 04), **Miami, Florida**
7. **Towards Intelligent Chromosome Analysis**  
Aleksandar Jovanović, Miroslav Marić, Momčilo Borovčanin, Aleksandar Perović  
**BIOINFORMATICS WORKSHOP, SIAM International Conference on Data Mining** (SDM04), **Orlando, Florida**
8. **QUANTIFIER ELLIMINATION IN FIELDS**  
Marić F. Borovčanin, M., Marić M.  
**ETRAN, 2004.**
9. **METHODOLOGICAL APPROACHES IN EEG ANALYSIS OF RAT BRAIN: 3-D SPECTROSCOPY AND MEAN POWER SPECTRA**  
Marić M. , Andonovski N. , Oklobdžija M., Jovanovic M., Martać-Blanuša Lj. , Čulić M., Grbić G., Kalauzi A.  
**ETRAN,2004**

**10. Surface reconstruction from an unorganized set of points problems**

Filip Marić, Miroslav Marić, Žarko Mijajlović, Boško Jovanović

**XI CONGRESS OF MATHEMATICIANS OF SERBIA AND MONTENEGRO**

**11. Feature Extraction From 3D Spectra of Electrophysiological Signals**

Milan Oklobdžija, Maja Jovanović, Miroslav Marić

**2<sup>nd</sup> Serbian-Hungarian Joint Symposium (SISY 2004)**

**12. A System for Neural Acoustics Analysis**

Aleksandar Jovanović, Maja Jovanović, Aleksandar Perović, Miroslav Marić

**ETRAN, 2005**

**13. Automatic construction of surface model**

Miroslav Marić, Filip Marić, Žarko Mijajlović, Boško Jovanović

**3<sup>rd</sup> Serbian-Hungarian Joint Symposium (SISY 2005)**

Conferences:

- **ETRAN, 2003, Herceg Novi**
- **1st SERBIAN – HUNGARIAN JOINT SYMPOSIUM ON INTELLIGENT SYSTEMS, 2003, Subotica**
- **4th WSEAS International Conference on Information Science and Applications (ISA' 04), Miami, Florida**
- **BIOINFORMATICS WORKSHOP, SIAM International Conference on Data Mining (SDM04), Orlando, Florida**
- **ETRAN, 2004, Čačak**
- **XI CONGRESS OF MATHEMATICIANS OF SERBIA AND MONTENEGRO, 2004, Petrovac**
- **IPSI, 2004, Sveti Stefan**
- **ETRAN, 2005, Budva**