



Igor Tomovski, M.Sc. EE  
Research Centre for Energy, Informatics and  
Materials (ICEIM)  
Macedonian Academy of Sciences and Arts (MASA)  
Bul. "Krstе Misirkov" br.2  
1000 Skopje, Macedonia  
Tel. +389 2 3235-428  
Fax. +389 2 3235-423  
Mail: [igor@manu.edu.mk](mailto:igor@manu.edu.mk)

### Personal Information

Date of birth: 27.07.1972  
Place of birth: Skopje, Macedonia  
Marital status: single

### Education and titles:

2008 – Master of Science in Electronics, Faculty of electrotehnics and Information Technologies, University "Ss. Cyril and Methodius" – Skopje, Macedonia;

1997 – B.Sc. Electrical Engineering (Electronics and Telecommunications), Faculty of electrotehnics and Information Technologies, University "Ss. Cyril and Methodius" – Skopje, Macedonia;

### Working history:

1999-2006 - Engineer in the Dynamic testing laboratory, Institute of Earthquake Engineering and Engineering Seismology, Skopje

2006 – 2007 Key Account Manager, Key Account Business Centre, Macedonian Telecommunication (T-Com), Skopje

2007 – ICEIM/MASA

### Publications

- Kocarev L., Szczepanski J, J.M. Amigó J.M., Tomovski I., **Discrete Chaos – I: Theory**. IEEE Transactions on Circuits and Systems I, vol. 53, Number 6, pp. 1300-1309, June 2006;
- Amigó J.M. , Kocarev L. ,Tomovski I., **Discrete entropy**, Elsevier, Physica D 228, pp. 77-85, 2007;

- Petreska, I., Tomovski, I., Gutierrez, E., Kocarev, Lj., Bono, F., Poljansek, K. **A modal analysis based approach in studying robustness and vulnerability of complex networks**, Proceedings of the International Symposium on Nonlinear Theory and Applications – NOLTA '08, Budapest, Hungary, 7-10.09.2008, pp. 253-256;
- Markovska – Simoska S., Gjoneska B., Tomovski I., Pop-Jordanov J., **Analysis of qEEG spectrum-weighted frequency (Brain-rate) for visual and emotional CPT**, Book of Abstracts of the 2<sup>nd</sup> meeting for Society for Applied Neuroscience (SAN) in collaboration with COST B27 Electric Neuronal Oscillations and Cognition, in *Revista Espanola de Neuropsicologia*, Volumen 10:1, ed. Jose Leon-Carrion, Seville, 7<sup>th</sup> – 11<sup>th</sup> May 2008, p. 129.
- Petreska, I., Tomovski, I., Gutierrez, E., Kocarev, Lj., Bono, F., Poljansek, K. "Application of modal analysis in assessing attack vulnerability of complex networks", submitted for publication in *Communications in Nonlinear Science and Numerical Simulations*, Elsevier (2009).

### Conference presentations

- Petreska, I., Tomovski, I., Gutierrez, E., Kocarev, Lj., Bono, F., Poljansek, K. **A modal analysis based approach in studying robustness and vulnerability of complex networks**, NOLTA International Symposium (2008), Accepted
- Markovska – Simoska S., Gjoneska B., Tomovski I., Pop-Jordanov J. **Analysis of qEEG spectrum-weighted frequency (Brain-rate) for visual and emotional CPT**, poster, joint 2<sup>nd</sup> Meeting of Society for Applied Neuroscience and COST Action B27 – ENOC, May 7<sup>th</sup>-11<sup>th</sup>, Seville, Spain.

### Participation in Ongoing Projects

FP 6 Project: **Diagnosing vulnerability, emergent phenomena and volatility in man-made networks**, MASA Team Member

COST Action B27 – **Electrical Neuronal Oscillations and Cognition**, MC Member and Assistant to the MC Chair

### Project Reports

Taskov Lj., Rakicevic Z. and Tomovski I., **Seismic qualification on high voltage circuit breaker type SFL 13, single pole drive, manufactured by Energoinvest, Elektrooprema, ELOP-IRCE, Sarajevo**, IZIIS Report 2000-21

Taskov Lj., Rakicevic Z. and Tomovski I., **Seismic qualification on high voltage circuit breaker type SFL 13, three pole drive, manufactured by Energoinvest, Elektrooprema, ELOP-IRCE, Sarajevo**, IZIIS Report 2000-22

Taskov Lj., Rakicevic Z., Tomovski I., **Mechanical performance test of a three bundle double hinge spacer damper fabricated by Teheran Niroo Co, Tehran, Iran**, IZIIS Report 2000-44/2

Hristovski V., Stojmanovska M., Tomovski I., Tashkov LJ., Krstevska L., **Experimental testing of wooden panel structures under earthquake excitations**, Joint project IZIIS-Skopje, MPA Stuttgart Otto-Graf-Institut, Germany and Civil engineering faculty-Ljubljana Slovenia

Kocarev Lj., Petreska I., Tomovski I., Zlatanov N., **D6. 1 A method to calculate interoperability matrices**, FP 6 Project *Diagnosing vulnerability, emergent phenomena and volatility in man-made networks*, WP6 MASA Report – Deliverable, June 2008