



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Béla Genge**
Address(es) Parangului Str., No. 60, Ap. 16, 540414, Targu Mures, Romania
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E-mail bgenge@engineering.upm.ro
Nationality Hungarian
Date of birth 13.01.1982

Work experience

Dates **2008-prezent**
Occupation or position held Assistant lecturer
Main activities and responsibilities Laboratory activities (Information Security Lab, Data Structures lab, Object Oriented Programming lab, Microprocessor-based Systems lab), student coordination (diploma, student scientific papers), PhD research activities
Name and address of employer "Petru Maior" University of Târgu Mureş

Dates **2006-2008**
Occupation or position held Junior lecturer
Main activities and responsibilities Laboratory activities (Information Security Lab, Data Structures lab, Microprocessor-based Systems lab), PhD research activities
Name and address of employer "Petru Maior" University of Târgu Mureş

Dates **2005-2006**
Occupation or position held Associate lecturer
Main activities and responsibilities Laboratory activities (Information Security Lab, Microprocessor-based Systems lab), PhD research activities
Name and address of employer "Petru Maior" University of Târgu Mureş

Dates **2006-prezent**
Occupation or position held Consultant
Main activities and responsibilities Designing intelligent systems for automated buildings
Name and address of employer Intelligent Building Solutions, Târgu Mureş, Romania

Dates **2004-2005**
Occupation or position held Programmer
Main activities and responsibilities Developing distributed multimedia applications
Name and address of employer Integrasoft, Târgu Mureş, Romania

Education

Dates **2005-prezent**
Title of qualification awarded **PhD student** in the field of Computer Science
Name and type of organisation providing education Technical University of Cluj-Napoca

Dates	2000-2005
Title of qualification awarded	Diplomat Engineer in Computer Science
Name and type of organisation providing education	“Petru Maior” University of Târgu Mureş
Dates	1997-2000
Title of qualification awarded	Bachelor
Name and type of organisation providing education	“Grupul școlar de Informatică și Electrotehnică -Electronică”, Bistrița

Personal skills and competences

Mother tongue(s) **Hungarian**

Other language(s) **Romanian, English**

Self-assessment

European level ()*

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
EN	Excelent	EN	Excelent	EN	Excelent	EN	Excelent	EN	Excelent

(*) *Common European Framework of Reference for Languages*

Computer skills and competences LaTeX, MS Word, Excel, Power Point

Artistic skills and competences Good at playing the violin, playing the piano

Research projects

1. “Contributions to the composition of security protocols”, research project Nr. 2445/2007, “Petru Maior” University of Târgu Mureş, **coordinator**
2. “Mobile Knowledge Workplace supporting Service Workers”, research project for “Kompetenzzentrum für wissensbasierte Anwendungen und Systeme Forschungs- und Entwicklungsgesellschaft”, Austria, Nr. WV-2008-06, as a **collaborator** with IBS (Intelligent Building Solutions, Târgu Mureş).
3. “Monocular Head Mounted net-Conferencing for Service Workers”, research project for “Kompetenzzentrum für wissensbasierte Anwendungen und Systeme Forschungs- und Entwicklungsgesellschaft”, Austria, Nr. WV-2007-09, as a **collaborator** with IBS (Intelligent Building Solutions, Târgu Mureş).
4. “Adaptation of net-Conferencing for Mobile Devices”, research project for “Kompetenzzentrum für wissensbasierte Anwendungen und Systeme Forschungs- und Entwicklungsgesellschaft”, Austria, Nr. WV-2006-14, as a **collaborator** with IBS (Intelligent Building Solutions, Târgu Mureş).

Papers indexed in international databases

1. **Genge Bela**, Haller Piroska, Middleware for Automated Implementation of Security Protocols, 6th European Semantic Web Conference, Heraklion, Greece, Lecture Notes in Computer Science (LNCS 5554), Springer-Verlag, pages 476-490, 2009 (DBLP, EI Compendex, INSPEC, ACM Portal).
2. **Genge Bela**, Haller Piroska, Towards Automated Secure Web Service Execution, Networking 2009, Aachen, Germany, Lecture Notes in Computer Science (LNCS 5550), Springer-Verlag, pages 943-954, 2009 (DBLP, EI Compendex, INSPEC, ACM Portal).
3. **Genge Bela**, Iosif Ignat, Syntactic Sequential Composition of Security Protocols, Journal of Automation Computers Applied Mathematics (ACAM), Volume 17, No. 2, pages 169-178, 2008 (Mathematical Reviews).
4. **Genge Bela**, Haller Piroska, A Modeling Framework for Generating Security Protocol Specifications, 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'08), Workshop on Global Computing Models and Technologies, Timisoara, Romania, pages 362-365, 2008, IEEE Computer Society Press (DBLP, INSPEC, EI Compendex).
5. **Genge Bela**, Haller Piroska, Ovidiu Ratoi, Constructing Security Protocol Specifications for Web Services, Intelligent Distributed Computing, Italy, Appears in Studies In Computational Intelligence, Springer-Verlag Berlin Heidelberg, Sept. 2008, Volume 162/2008, pages 245-250, 2008 (DBLP, Ulrichs, SCOPUS, MathSciNet, Zentralblatt).
6. Ovidiu Ratoi, Haller Piroska, Ioan Salomie, **Genge Bela**, Component Based Platform for Multimedia Applications, 7th IEEE RoEduNet International Conference, Cluj-Napoca, Romania, pages 40-43, Aug. 2008 (ISI Web of Knowledge).
7. **Genge Bela**, Haller Piroska, Ovidiu Ratoi, Iosif Ignat, Term-based composition of security protocols, 2008 IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania, pages 233-238, May 2008 (IEEE Xplore, ISI Web of Knowledge).
8. **Genge Bela**, Haller Piroska, Iosif Ignat, Ovidiu Ratoi, Informal specification-based performance evaluation of security protocols, 4th IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, pages 193-200, Aug. 2008 (IEEE Xplore, ISI Web of Knowledge).

9. **Genge Bela**, Iosif Ignat, An Abstract Model for Security Protocol Analysis, WSEAS Transactions on Computers, Issue 2, Volume 6, pages, 207-215, February 2007 (INSPEC, Zentralblatt, Ulrichs).
10. **Genge Bela**, Iosif Ignat, Verifying the Independence of Security Protocols, 3rd IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, pages 155-163, September 2007 (IEEE Xplore, ISI Web of Knowledge).
11. **Genge Bela**, Haller Pirooska, Bindings for Security Protocol Composition, In the Proceedings of the 6th IEEE RoEduNet International Conference, Craiova, Romania, pages 64-69, November 2007 (ISI Web of Knowledge).
12. **Genge Bela**, Iosif Ignat, A typed specification for security protocols, In the Proceedings of the 5th WSEAS Int. Conf. on Data Networks, Communications & Computers, Bucharest, Romania, pages 113-118, October 2006 (INSPEC, Zentralblatt, Ulrichs).
13. **Genge Bela**, Haller Pirooska, Towards a distributed authentication system in Coordinated Mobile Virtual Organizations, In the Proceedings of the 5th RoEduNet IEEE International Conference, Sibiu, Romania, pages 119-123, July 2006 (ISI Web of Knowledge).

Non-indexed papers

1. **Genge Bela**, Haller Pirooska, Extending WS-Security to Implement Security Protocols for Web Services, 1st International Conference on Recent Achievements in Mechatronics, Automation, Computer-Sciences and Robotics, Targu Mures, March 20, Appears in Acta Universitatis Sapientiae - Electrical and Mechanical Engineering, In Press, 2009.
2. Magyari Attila, **Genge Bela**, Haller Pirooska, Certificate-based Single Sign-On Mechanism for Multi-Platform Distributed Systems, 1st International Conference on Recent Achievements in Mechatronics, Automation, Computer-Sciences and Robotics, Targu Mures, March 20, Appears in Acta Universitatis Sapientiae - Electrical and Mechanical Engineering, In Press, 2009.
3. **Genge Bela**, Haller Pirooska, Middleware for Implementing Security Protocols, 8th International Conference on Computer Science and Energetics-Electrical Engineering, Sumuleu-Ciuc, Romania, pp. 139-144, October 2008.
4. **Genge Bela**, Haller Pirooska, A Chained Authentication Model for Virtual Organizations, Acta Universitatis Cibiniensis, VOL. LV, Technical Series, Sibiu, Romania, pages 60-68, 2007.
5. **Genge Bela**, Programming Manual for Smart Houses, Eliberatica – The benefits of Open and Free Technologies, Brasov, Romania, Locally edited booklet, June 2007.
6. **Genge Bela**, Haller Pirooska, Extending the Strand Space Model for Security Protocol Composition, International Scientific Conference "Interdisciplinarity in Engineering", Inter-Ing 2007, Târgu Mures, Romania, pages 1-7, November 2007.
7. **Genge Bela**, Haller Pirooska, Attacks in single and multi-protocol environments, 7th International Conference on Computer Science and Energetics-Electrical Engineering, Oradea, Romania, pages 54-58, October 2007.
8. Haller Pirooska, **Genge Bela**, Security Issues in Wireless Distance Vector Routing Protocols, International Scientific Conference "Interdisciplinarity in Engineering", Inter-Ing 2005, Târgu Mures, Romania, pages 662-668, 2005.

Book

- Genge Bela**, Haller Pirooska – Proiectarea sistemelor dedicate și încorporate cu microcontrolerul PIC, editura Universității "Petru Maior", Târgu Mures, 2008.