

PERSONAL INFORMATION

Petra Grd (Koruga), PhD

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Work: Centre for Forensics, Biometrics and Privacy, Faculty of Organization and Informatics, Pavlinska 2, 42000 Varaždin Croatia

Sex Female | Date of birth 14/02/1986 | Nationality Croatian

POSITION

Researcher / Higher Teaching Assistant

WORK EXPERIENCE

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- 2015-today **Researcher / Higher Teaching Assistant**
University of Zagreb, Faculty of Organization and Informatics, Centre for Forensics, Biometrics and Privacy
- Biometrics, Internet security, Government and Administrative Information Systems
- Government
- 2009-2015 **Junior Researcher / Teaching Assistant**
University of Zagreb, Faculty of Organization and Informatics, Centre for Forensics, Biometrics and Privacy
- Biometrics, Internet security, Government and Administrative Information Systems
- Government
- 2007-2008 **Student Assistant**
University of Zagreb, Faculty of Organization and Informatics
- English language
- Government

EDUCATION AND TRAINING

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- 2009 - 2015 **PhD**
University of Zagreb, Faculty of Organization and Informatics
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- 2004 - 2009 **Master of Informatics**
University of Zagreb, Faculty of Organization and Informatics
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TEACHING

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- Internet Security **Graduate study**
University of Zagreb, Faculty of Organization and Informatics, Varaždin, Croatia
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- Biometrics **Undergraduate study**
University of Zagreb, Faculty of Organization and Informatics, Varaždin, Croatia
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PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

- Projects**
- Multiple biometric authentication with smart card
 - Development of open ontology for biometric sciences
 - OLAF D5 59 3013 „Digital forensics training“
 - Knowledge Management for SMEs
 - Organizational Design of Multi-agent Systems for the Internet of Things
 - Methodology of Evaluation of Biometric Characteristics
 - Multi-Biometric Authentication with Smartcard
 - Design and maintenance of the Centre website (czb.foi.hr)

- Reviewer in journals**
- Journal of Pattern Recognition Research
 - IET Biometrics
 - Digital Signal Processing
 - International Journal of Tomography and statistics

- Job-related skills**
- Biometrics
 - Computer forensics
 - Security
 - Programming
 - Web and graphic design
 - Scientific writing
 - Scientific research
 - Descriptive statistics
 - Pattern recognition
 - Organizational skills
 - Communicational and presentational skills

- Computer skills**
- Operation systems: Windows, Linux
 - Programming languages: Python, .NET (VB)
 - Internet/Web: HTML, CSS, XML
 - Graphics: Photoshop, CorelDraw, Illustrator, InDesign
 - Database: MySQL, MS Access, MS SQL
 - Modelling: Visual Paradigm, MS Visio
 - IDE: Eclipse, Visual Studio
 - Other: MS Office, OpenOffice, Latex, MS Project, PC hardware

Driving licence ▪ B

- Other
- Secretary of the Association of associates at the Faculty of organization and informatics
 - Secretary of the Disciplinary commission at the Faculty of organization and informatics
 - Member of Volunteer association
 - Member of Marketing committee at the Faculty of organization and informatics
 - Member of Student council at the Faculty of organization and informatics
 - Section leader at the 3rd Student Symposium "Research Topics on Intercultural Learning in the International Context"
 - Organising committee member of FOI Mobile and Embedded Development Symposium
 - Evaluator at the FOI CORE (Creativity, Organization, Education) competition
 - Participant at the International Doctoral Seminar 2013
 - Participant in International Summer School in Biometrics 2014
 - Receiver of COST Summer School Scholarship

Book chapters

1. Grd, Petra; Bača, Miroslav: ebXML in Practice: A Systematic Literature Review // *Frontiers in ICT: Towards Web 3.0* / Levnajič, Zoran (ur.). Frankfurt : Peter Lang International Academic Publishers, 2014. Str. 53-66.
2. Bača, Miroslav; Grd, Petra; Fotak, Tomislav: Basic Principles and Trends in Hand Geometry and Hand Shape Biometrics // *New trends and developments in biometrics* / Yang, Jucheng ; Xie, Shan Juan (ur.). Rijeka : InTech, 2012. Str. 77-99.
3. Schatten, Markus; Bača, Miroslav; Koruga, Petra: The transportation paths routing semantic description // *Transactions on transport systems telematics & safety* / Piecha, Jan ; Wegrzyn, Tomasz (ur.). Gliwice : Silesian University of Technology, 2011. Str. 11-19

Scientific papers

1. Ševa, Jurica; Schatten, Markus; Grd, Petra: Open Directory Project based universal taxonomy for Personalization of Online (Re)sources. // *Expert systems with applications*. 42 (2015) , 17–18; 6306-6314 (članak, znanstveni)
2. Schatten, Markus; Grd, Petra; Konecki, Mladen; Kudelić, Robert: Towards a Formal Conceptualization of Organizational Design Techniques for Large Scale Multi Agent Systems // *Conference Proceedings of the 2nd International Conference on System-Integrated Intelligence: Challenges for Product and Production Engineering* / Thoben, Klaus-Dieter ; Busse, Matthias ; Denkena, Berend ; Gausemeier, Jürgen (ur.). Bremen : University of Bremen, 2014. 725-734
3. Grd, Petra: Introduction to Human Age Estimation Using Face Images. // *Research papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava. Special Number (2013)* ; 35-41
4. Fotak, Tomislav; Bača, Miroslav; Koruga, Petra: Handwritten signature identification using basic concepts of graph theory. // *WSEAS Transactions on Signal Processing*. 7 (2011) ; 117-129
5. Delić, Alen; Grd, Petra; Gregurec, Iva: Analysis of Communication of Croatian Faculties through Facebook - Part I // *Proceedings of the ITI 2013 35th International Conference on Information Technology Interfaces* / Luzar-Stiffler, Vesna ; Jarec, Iva (ur.). Zagreb, 2013. 43-48
6. Grd, Petra: Introduction to human age estimation using face images // *Proceedings of the 8th International Doctoral Seminar, Dubrovnik 2013*. 2013. 87-94
7. Bača, Miroslav; Koruga, Petra; Fotak, Tomislav: Building a framework for the development of biometric forensics // *MIPRO 2012 Proceedings* / Biljanović, Petar (ur.). Rijeka : Croatian Society for Information and Communication Technology, Electronics and Microelectronics, 2012. 1904-1906
8. Fotak, Tomislav; Grd, Petra; Bača Miroslav: Trends in Hand Geometry Biometrics // *Central European Conference on Information and Intelligent Systems 23rd International Conference* / Hunjak, Tihomir ; Lovrenčić Sandra ; Tomičić Igor (ur.). Varaždin : Faculty of organization and informatics, 2012. 319-324
9. Grd, Petra; Bača, Miroslav: ebXML and Interoperability: A Systematic Review // *The Proceedings of the 4th International Conference on Information Technologies and Information Society ITIS 2012* / Mertik, Matej ; Povh, Janez (ur.). Novo Mesto : Faculty of Information Studies, 2012.
10. Gregurec, Iva; Grd, Petra: Search Engine Optimization (SEO): Website analysis of selected faculties in Croatia // *Central European Conference on Information and Intelligent Systems 23rd International Conference* / Hunjak, Tihomir ; Lovrenčić Sandra ; Tomičić Igor (ur.). Varaždin : Faculty of organization and informatics, 2012. 211-218
11. Koruga, Petra; Bača, Miroslav: Communication of political parties on Twitter: Comparison of political parties in Serbia, Croatia, Slovenia and BiH // *2012 SYMORG Inovative management and business performance* / Jakšić, Maja Levi ; Barjaktarović Rakočević, Slađana (ur.). Beograd : Faculty of Organizational Sciences, 2012. 408-416
12. Koruga, Petra; Bača, Miroslav; Fotak, Tomislav: Knowledge Visualization in Biometric Face Recognition on Two-dimensional Images // *Proceedings of the ITI 2012 34th International Conference on Information Technology Interfaces* / Luzar-Stiffler, Vesna ; Jarec, Iva ; Bekic, Zoran (ur.). Zagreb, 2012. 349-353

13. Logožar, Robert; Koruga, Petra: An Outlook to Security and Trust in Internet Communications // Proceedings of the 22nd Central European Conference on Information and Intelligent Systems.
14. Bača, Miroslav; Koruga, Petra; Fotak, Tomislav: Basic on-line handwritten signature features for personal biometric authentication // 34th international convention on information and communication technology, electronics and microelectronics / Čišić Dragan ; Hutinski Željko; Baranović Mirta ; Mauher Mladen ; Ordanić Lea (ur.). Opatija : MIPRO, 2011. 116-121
15. Fotak, Tomislav; Koruga, Petra; Bača, Miroslav: On-line Handwritten Signature Identification: The Basics // Proceedings of the 22nd Central European Conference on Information and Intelligent Systems / Hunjak, Tihomir ; Lovrenčić, Sandra (ur.). Varaždin, 2011. 139-145
16. Koruga, Petra; Bača, Miroslav; Fotak, Tomislav: Comparison of Communication of Political Parties over the Internet in Slovenia and Croatia // Proceedings of International Conference on Information Society / Mertik, Matej (ur.). Novo Mesto : Faculty of Information Studies, 2011. 31-36
17. Koruga, Petra; Bača, Miroslav; Schatten, Markus: Analysis of Craniofacial Morphology Changes during Aging and their Connection with Facial Age Estimation // Proceedings of the ITI 2011 33rd International Conference on INFORMATION TECHNOLOGY INTERFACES / Luzar-Stiffler, Vesna ; Jarec, Iva ; Bekic, Zoran (ur.). Zagreb, 2011. 481-485
18. Koruga, Petra; Ševa, Jurica; Bača Miroslav: Application of Modified Anthropometric Model in Facial Age Estimation // Proceedings of the 53rd International Symposium ELMAR-2011 / Božek, Jelena ; Grgić, Mislav (ur.). Zadar : Croatian Society Electronics in Marine, 2011. 17-20
19. Koruga, Petra; Ševa, Jurica; Bača, Miroslav: A Review of Face Recognition Algorithms and Their Application in Age Estimation // Proceedings of the 22nd Central European Conference on Information and Intelligent Systems / Hunjak, Tihomir ; Lovrenčić, Sandra (ur.). Varaždin : FOI, 2011. 127-132
20. Koruga, Petra; Bača, Miroslav: Analysis of B-tree data structure and its usage in computer forensics // Proceedings of the 21st Central European Conference on Information and Intelligent Systems / Aurer, Boris ; Bača, Miroslav ; Schatten, Markus (ur.). Varaždin : Fakultet Organizacije i Informatike, 2010. 423-428