

PERSONAL INFORMATION

Cristina Vatamanu

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WORK EXPERIENCE

04/01/2010–Present

Senior Team Lead, Cyber-Threat Intelligence Lab

Bitdefender, Iasi (Romania)

EDUCATION AND TRAINING

01/10/2014–Present

Doctoral School

Faculty of Computer Science, Alexandru Ioan Cuza University, Iasi (r)

01/10/2010–01/07/2012

Master's Degree in Embedded Computing

Gheorghe Asachi Technical University, Iasi (Romania)

01/10/2006–01/07/2010

Bachelor's Degree

Gheorghe Asachi Technical University, Iasi (Romania)

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

Publications

- **EHDEVEL- The story of a continuously improving Advanced Threat Creation Toolkit** - Cristina Vatamanu, Alexandru Maximciuc , *AAVAR Conference* - <https://labs.bitdefender.com/2017/09/ehdevel>, 2017
- **Perceptron-based Ensembles and Binary Decision Trees for Malware Detection** - Cristina Vatamanu, Doina Cosovan, Dragos Gavrilut, Henri Luchian, *International Conference on Artificial Neural Networks, ICANN* , 2017
- **Inside Netrepser- a javascript - based targeted attack** - Cristina Vatamanu, Adrian Schipor, *Virus Buletin Conference*, <https://labs.bitdefender.com/2017/05/inside-netrepser-a-javascript-based-targeted-attack>, 2017
- **Outnumbered, yet Strong: Artificial Intelligence as a Force Multiplier in Cyber-Security** - Cristina Vatamanu, *Bitdefender Business Insights*, <https://businessinsights.bitdefender.com/artificial-intelligence-cyber-security>, 2016
- **Win32.Doboc - A splice between a file infector and a botnet** - Cristina Vatamanu, Vlad Craciun, *AAVAR conference*, 2015

- **APT28 Under the Scope – A Journey into Exfiltrating Intelligence and Government Information** - Cristina Vatamanu, Alexandru Maximciuc, *Bitdefender Lab*, <https://labs.bitdefender.com/2015/12/apt28-under-the-scope-a-journey-into-exfiltrating-intelligence-and-government-information>, 2015
- **Feature extraction using Genetic Programming with applications in malware detection** - Cristina Vatamanu, Dragos Gavrilut, Razvan Benchea, *Synasc conference*, 2015
- **Speaking Dyreza protocol. Advantages of 'learning' a new language** - Cristina Vatamanu, Alexandru Maximciuc, *Virus Buletin conference*, 2015
- **A Comparative Study of Malware detection Techniques using Machine learning Methods** - Cristina Vatamanu, Doina Cosovan, Dragoş Gavriluţ, Henri Luchian, *International Conference on Information Systems Security*, 2015
- **Hiding the network behind the network. Botnet proxy business model** - Cristina Vatamanu, Alexandru Maximciuc, Razvan Benchea, *Virus Buletin conference*, 2014
- **Performance Testing Framework. Evaluating the impact on the system speed** - Cristina Vatamanu, Paul Bot, Razvan Benchea, Dragos Gavrilut, *WATER Conference*, 2014
- **Building a practical and reliable classifier for malware detection** - Cristina Vatamanu, Dragos Gavrilut, Razvan-Mihai Benchea, *Journal in Computer Virology and Hacking Techniques*, 2013
- **In-depth analysis of Cutwail botnet** - Cristina Vatamanu, Alexandru Maximciuc, Doina Cosovan, Dragos Gavrilut, Octav Minea, Razvan-Mihai Benchea, *Aavar Conference*, 2013
- **A practical approach on clustering malicious PDF documents** - Cristina Vatamanu, Dragos Gavrilut, Razvan Benchea, *Journal in Computer Virology and Hacking Techniques*, 2012
- **Practical Optimizations for Perceptron Algorithms in Large Malware Dataset** - Cristina Vatamanu, Dragos Gavrilut, Razvan Benchea, *SYNASC conference*, 2012
- **Optimized Zero False Positives Perceptron Training for Malware Detection** - Cristina Vatamanu, Dragos Gavrilut, Razvan Benchea, *SYNASC conference*, 2012

#### Presentations

- **Cyber Threat Intelligence Lab - Layered Security** - Cristina Vatamanu, *US San Francisco Bitdefender's Partners Event*, 2018
- **Advanced persistent threats – a timeline overview** - Cristina Vatamanu, *Romania Bucharest Bitdefender's Partner Summit*, 2017
- **Bringing APT techniques into mainstream** - Cristina Vatamanu, *Black Hat, US Las Vegas*, 2017
- **Machine Learning limitations** - Cristina Vatamanu, *Black Hat, Las Vegas*, 2017
- **Practical Aspects of Machine Learning Theory when dealing with large-scale data-sets** - Cristina Vatamanu, *CARO Workshop*, 2016
- **Applying Machine Learning for malware detection** - Cristina Vatamanu, *Romania Bucharest Bitdefender's Partner Summit*, 2016
- **Developing Vaccines For Ransomware** - Cristina Vatamanu, Alexandru Maximciuc, *CARO Workshop*, 2015