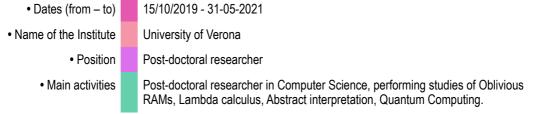
PERSONAL INFORMATION

Name DE SANTIS GIULIA

WORKING EXPERIENCE

WORKING EXI EMERGE			
• Dates (from – to)	28	28/02/2022 - Today	
Name of the Institute	Un	Università Politecnica delle Marche	
• Position	Co	Contract Professor	
Main activities		Course in Numerical Analysis, Bachelor Degree in Computer and Automation Engineering	
• Dates (from – to)	0	1/10/2021 - 21/12/2021	
Name of the Institute	U	niversità Politecnica delle Marche	
• Position	Te	eaching assistant	
Main activities		ourse in exercises of Mathematical Analysis 1, Bachelor Degree in Mechanical ngineering	
• Dates (from – to)	01.	01/10/2021 - 20/12/2021	
Name of the Institute	Un	iversità Politecnica delle Marche	
• Position	Tea	Teaching assistant	
Main activities		Class in exercises of Mathematical Analysis 1, Bachelor Degree in Computer and Automation Engineering	
• Dates (from – to)	01/06/2021 - Today	
Name of the Institute		Università Politecnica delle Marche	
• Position		Post-doctoral researcher	
Main activities		Post-doctoral researcher in Numerical Analysis, with focus in Human-Robot interaction in manufacture and Radial Basis Function.	



Dates (from – to)
Name of the Institute
Position
O1/10/2015 - 31/12/2018
INRIA Nancy Grand-Est (France)
Doctoral researcher

Main activities

Research topic: "Modeling and Recognizing Network Scanning Activities of the IPv4 space through Hidden Markov Models". More in detail, the goal was to learn Hidden Markov Models of Network Scanners from logs collected by a Darknet, and to use the obtained models to detect them.

EDUCATION

• Dates (from – to)

01/10/2015 - 20/12/2018

Name of the Institute

Université de Lorraine, Nancy Grand-Est (France)

· Obtained degree or certificate

Ph.D. in Computer Science, Network Security. Thesis: "Modeling and Recognizing Network Scanning Activities of the IPv4 space through Hidden Markov Models".

Dates (from – to)

01/10/2011 - 27/04/2015

· Name of the Institute

Technische Universität Clausthal (Germany)

· Obtained degree or certificate

Master Degree in Applied Mathematics, 1.1/5.0. Thesis: "Analysis of Social Network Using Exponential Random Graph Models".

• Dates (from - to)

01/10/2011 - 15/04/2015

· Name of the Institute

Università degli Studi di Camerino (Italy)

Obtained degree or certificate

Master Degree in Mathematics and Applications, 110/110 cum Laude. Thesis: "Analysis of Social Network Using Exponential Random Graph Models".

PUBLICATIONS

• Title Modeling and Recognizing Network Scanning Activities with Finite Mixture Models and Hidden Markov Models

Authors

Giulia De Santis

Institution and year

Université de Lorraine, 2018

• Title

Internet-Wide Scanners Classification using Gaussian Mixture and Hidden Markov Models

Authors

Giulia De Santis, Abdelkader Lahmadi, Jerome Francois, Olivier Festor

Conference

9th IFIP International Conference on New Technologies, Mobility and Security, 2018

• Title

HuMa: A multi-layer framework for threat analysis in a heterogeneous log environment

Authors

Julio Navarro, Véronique Legrand, Sofiane Lagraa, Jérôme François, Abdelkader Lahmadi, Giulia De Santis, Olivier Festor, Nadira Lammari, Fayçal Hamdi, Aline Deruyver, Quentin Goux, Morgan Allard, Pierre Parrend

Conference

International Symposium on Foundations and Practice of Security, 2017

• Title

Modeling IP scanning activities with Hidden Markov Models: a Darknet study

Authors Giulia De Santis, Abdelkader Lahmadi, Jerome Francois, Olivier Festor
Conference 8th IFIP International Conference on New Technologies, Mobility and Security, 2016

INVITED TALKS

• Title Modeling and Recognizing Network Scanners of the IPv4 space through Hidden Markov Models

• Date and Place 24/06/2019 at University of Verona, Italy

• Title Internet-Wide Network Scanners Classification using Finite Mixture and Hidden Markov Models

• Date and Place 03/10/2018 at University of Camerino, Italy

Title Classifying Internet-wide scanners using Gaussian Mixture and Hidden Markov Models

• Date and Place 21/11/2017, IMDEA Institute, Madrid

LANGUAGES

• English Fluent, Primary English Test (2006), Actual level: C1/C2

• German Test DAF: 4.0. Level: C1

French Level: B2/C1