STRATEGOS

Master of Science on Engineering Technologies for Strategy and Security,

Modelling, Simulation, Data Analysis, AI/IA for Strategies on Operations and Systems

Name	**Enrico Cambiaso**
Affiliation	**IEIIT CNR**
	Institute for Electronics and Information Engineering andTelecommunications
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	Via De Marini 6, 16149 – Genova, Italy
Tel	**+39.010.6475226**
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Work Experience

June 2017 - present

Technologist

Consiglio Nazionale delle Ricerche (CNR-IEIIT), Genoa (Italy)

Research technologist working on research activities on the network security field and with involvement on European, national and local research projects.
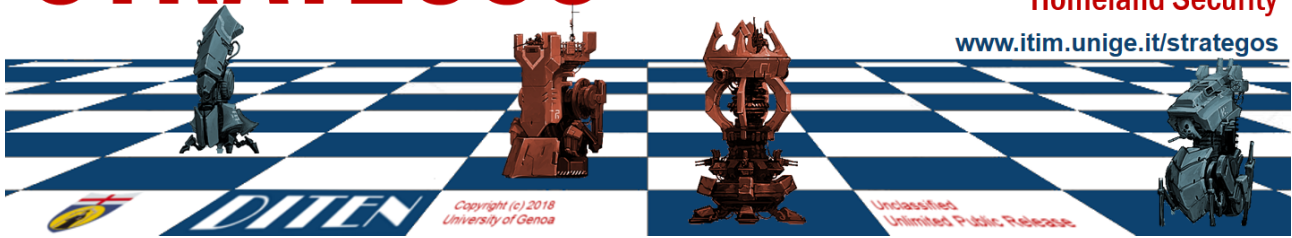
February 2016 - May 2017

Research Fellow

Consiglio Nazionale delle Ricerche (CNR-IEIIT), Genoa (Italy)

Research activities in the network security field, concerning the study of innovative cyberthreats, design of novel intrusion detection systems, and implementation of attacks testing and distribution infrastructures. Involvement in European, national and local research projects.

January 2015 – June 2015

External collaborator

Selex ES, Genoa (Italy)

Development of a project focused on security for cloud based services (Device as a Service, DaaS).

January 2013 – January 2016	**Research Fellow** Consiglio Nazionale delle Ricerche (CNR-IEIIT), Genoa (Italy) Research activities in the network security field, concerning the study of innovative cyberthreats, design of novel intrusion detection systems, and implementation of attacks testing and distribution infrastructures. Involvement in European, national and local research projects.
January 2013 – January 2015	**External collaborator** Ansaldo STS, Genoa (Italy) Study and development of a software and hardware virtual patching system identifying and preventing malware spread on non updated ICT networks
2008	**Software and web developer** Planet HT S.r.l., Genoa (Italy) For three months, computer programmer for the development of a management software in Microsoft Visual Studio environments, with support to both mobile and web clients.
2004	**Software Developer** For two months, computer programmatore for the development of a management software written in VB programming language.

Work Experience

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June 2019 - Current	**Access Port Manager (APM)** Consiglio Nazionale delle Ricerche (CNR), Roma (Italia) Role of Access Port Manager inside of Area della Ricerca del CNR of Genoa (Italy), for the following institutes of CNR located in Genoa (Italy): ARiGe, IBF, IEIIT, ICMATE, ILC, IMATI, ISMAC, IAS, INM, ITD. Protocol CNR IEIIT n. 992 dated June 27, 2019.
June 2019	**Teacher of University Master** Università degli Studi di Genova (DIBRIS, Scuola Politecnica, Ingegneria Informatica), Genoa (Italy) Teaching activities of the second grade university master on "Cybersecurity and critical infrastructure protection" (2018/2019), by Università degli Studi di Genova, relatively to the Network Security module, for a total duration of 4 hours. CNR communication n. 3050 dated June 11, 2019

STRATEGOS

Engineering Technologies for Strategy in Defense, Industry, Government & Homeland Security

www.itim.unige.it/strategos
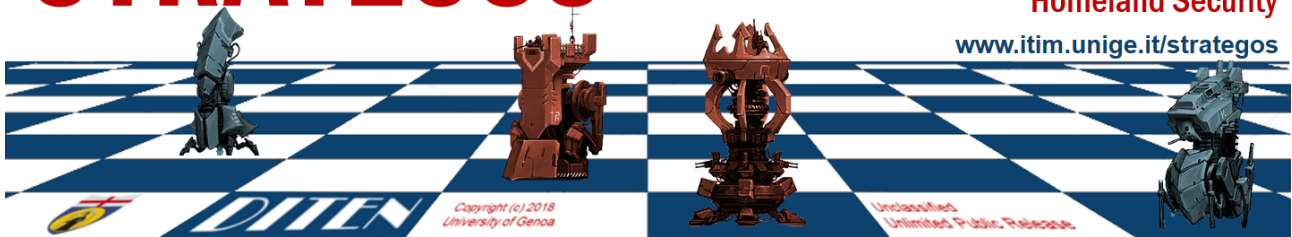
May 2019 – Current	**Member of fire suppression team**
	Consiglio Nazionale delle Ricerche (CNR-IEIIT),
	Genoa (Italy)Member of the fire suppression team of the CNR-IEIIT institute (as reported in a CNR-IEIIT document dated May 29, 2019).
April 2019 - May 2019	**Member of the Commission for a Public Competition Notice**
	Consiglio Nazionale delle Ricerche (CNR-IEIIT), Genoa (Italy)
	Member of the evaluating commission for a public competition notice for a research fellow position in the machine learning field (public notice CNR IEIIT-004-2019-GE).
April 2019 - May 2019	**Member of the Commission for a Public Competition Notice**
	Consiglio Nazionale delle Ricerche (CNR-IEIIT), Genoa (Italy)
	Member of the evaluating commission for a public competition notice for a research fellow position in the fintech field (public notice CNR IEIIT-003-2019-GE).
June 2018 - Current	**Member of Comitato G6 of the CNR-IEIIT institute**
	Consiglio Nazionale delle Ricerche (CNR-IEIIT), Genoa (Italy)
	Member of Comitato G6 of CNR-IEIIT, representing the Network Security group of the institute. CNR-IEIIT document dated June 19, 2018. Protocol n. 1089.
July 2016 - March 2017	**Thesis Supervisor**
	Università degli Studi di Genova (DIBRIS, Scuola Politecnica, Ingegneria Informatica), Genoa (Italy)
	Supervision of the master thesis titled "Analisi di sicurezza in ambienti IoT implementati attraverso il protocollo Wi-Fi" by Dr. Federico Pastorino.
July 2016 - March 2017	**Thesis Supervisor**
	Università degli Studi di Genova (DIBRIS, Scuola Politecnica, Ingegneria Informatica), Genoa (Italy)
	Supervision of the master thesis titled "Studio delle problematiche di sicurezza su reti ZigBee in riferimento al fenomeno Internet of Things" by Dr. Ivan Vaccari.
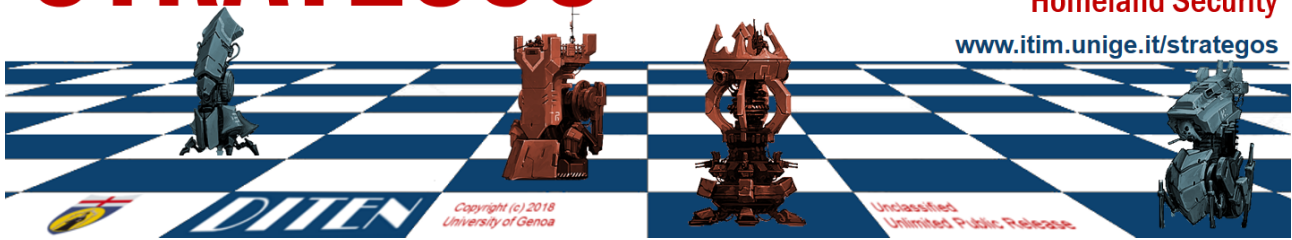
January 2013 - July 2013	**Thesis Supervisor**
	Università degli Studi di Genova (DIBRIS, Dipartimento di Informatica), Genoa (Italy)
	Supervision of the master thesis titled "Analisi e Sviluppo di una Rete Cooperativi per attacchi di tipo 'Slow DoS' Utilizzando Dispositivi Mobili" by Dr. Paolo Farina.
2005 – 2007	**Laboratory Assistant**
	Università degli Studi di Genova (DISI), Genoa (Italy)
	Assistant of university professors during laboratories of computer programming for basic and advanced courses.
2006	**Technical Teacher**
	Istituto Tecnico Superiore Giuseppe Cesare Abba, Genoa (Italy)
	Teacher during high school students courses on Java programming language.

EDUCATION AND TRAINING

| 2013 – 2016	**Ph.D**
	Università degli Studi di Genova (DIBRIS), Genoa (Italy)
	Obtained Ph.D in computer science (network and cyber security field), with thesis titled "Development and Detection of Slow DoS Attacks". The research work was accomplished in collaboration with Consiglio Nazionale delle Ricerche (CNR-IEIIT) of Genova.
2010 - 2012	**Master Degree**
	Università degli Studi di Genova (DIBRIS), Genoa (Italy)
	Obtained master degree in computer science, curriculum "Software development", with thesis titled "Analysis of Slow DoS Attacks". The research work was accomplished in collaboration with Consiglio Nazionale delle Ricerche (CNR-IEIIT) of Genova.
	Final score: 110=110 with honour.
2004 - 2009	**Bachelor Degree**
	Università degli Studi di Genova (DISI), Genoa (Italy)
	Obtained BS degree in computer science, curriculum "Software development", with thesis titled "Tipologie di attacchi a reti wireless protette" in collaboration with CNR-IEIIT of Genova.
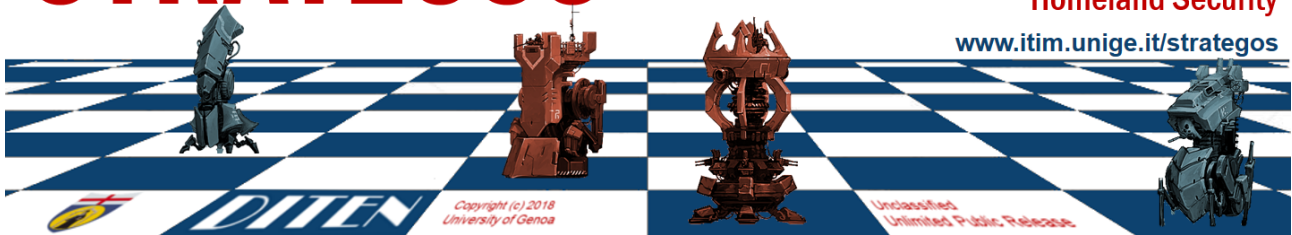
1998 - 2003	**High School Degree**
	Istituto Tecnico Superiore Giuseppe Cesare Abba, Genoa (Italy)
	Obtained high school degree as accountant, computer science program.

PROFESSIONAL CERTIFICATIONS

| **Introduction to Cybersecurity by Cisco Networking Academy** | Obtained Introduction to Cybersecurity certificate, issued by Cisco Networking Academy and relative to the cyber-security context. Certification achieved on January 29th, 2018. |
	URL: https://www.netacad.com/courses/intro-cybersecurity/
eMAPT Mobile Application Penetration Testing	Obtained eLearnSecurity Mobile Application Penetration Tester certificate, issued by eLearnSecurity and relative to the study of security aspects for the development of mobile apps. Course completed on January 28th, 2018 (Certificate ID: EMAPT-6753).
	URL: https://www.elearnsecurity.com/certification/emapt/
IBM Blockchain Foundation Developer	Obtained IBM Blockchain Foundation Developer badge, issued by IBM and relative to the implementation of a software system based on the Hyperledger platform. Course completed on November 30th, 2017.
	URL: https://www.youracclaim.com/badges/
	b59b0137-e092-42c0-8f77-909aa26cd3ae
IBM Blockchain Essential	Obtained IBM Blockchain Essentials badge, issued by IBM and relative to the study of basic information for the implementation of a software system based on the blockchain technology. Course completed on November 27th, 2017.
	URL: https://www.youracclaim.com/badges/
	437902f3-8c2d-4565-abd0-c2675ca19ff6
eJPT Penetration Testing	Obtained eLearnSecurity Junion Penetration Tester certificate, issued by eLearnSecurity and relative to the study of vulnerability assessment e penetration testing activities. Course completed on August 16th, 2017 (Certificate ID: EJPT-200555).
	URL: https://www.elearnsecurity.com/certification/ejpt/
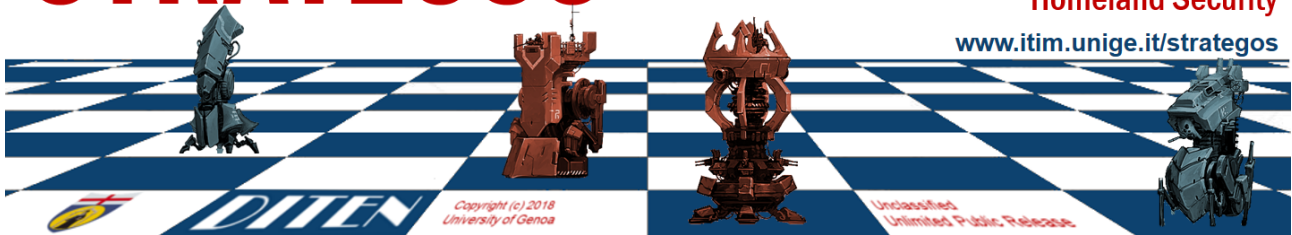
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Bitcoin & Cryptocurrency Technologies	Student of the Bitcoin and Cryptocurrency Technologies course, issued by Princeton University and distributed online through Coursera service. The course describes in detail the blockchain and crypto-currencies fields. Course completed on December 28th, 2016, with the final score of 92=100.
	URL: https://www.coursera.org/learn/cryptocurrency
The Basic Rulex Training Course	Obtained The Basic Rulex Training Course certificate, issued by Rulex Inc. and relative to the use of the big data processing software Rulex Analytics. Course completed on October 9th, 2015.
	URL: https://www.rulex-inc.com
Nessus Vulnerability and Compliance Auditing	Obtained certificate of the Nessus Vulnerability and Compliance Auditing - On Demand course, issued by Teenable Network Security and relative to the use of the vulnerability assessment software Nessus. Course completed on August 8th, 2013. URL:
	https://www.tenable.com/products/nessus-vulnerability-scanner

RESEARCH PUBLICATIONS AND SCIENTIFIC RESULTS

- Published 26 scientific papers at international level, in the network and cyber-security field.
- Registered 32 internal technical reports, in the network and cyber-security field.
- Review activities and TPC member for 29 international journals and conferences. Chair of 1 International Conference(s) and workshop(s). Editorial board member for 1 international journal(s).
- Co-author of the document "Il Futuro della Cyber Security in Italia" (2015) by Laboratorio Nazionale di Cyber Security Consorzio Interuniversitario Nazionale per l'Informatica (CINI).
- Co-author of the document "Il Futuro della Cybersecurity in Italia: Ambiti Progettuali Strategici" (2018) by Laboratorio Nazionale di Cyber Security Consorzio Interuniversitario Nazionale per l'Informatica (CINI).
  URL https://www.consorzio-cini.it/index.php/it/labcs-home/libro-bianco
- Contributor of the book "Mastering Ethereum - Implementing Digital Contracts" (2018) by Andreas M. Antonopoulos and Gavin Wood, distributed by OR´eilly Media. ISBN: 978-1491971949,
  URL https://github.com/ethereumbook/ethereumbook/blob/develop/preface.asciidoc
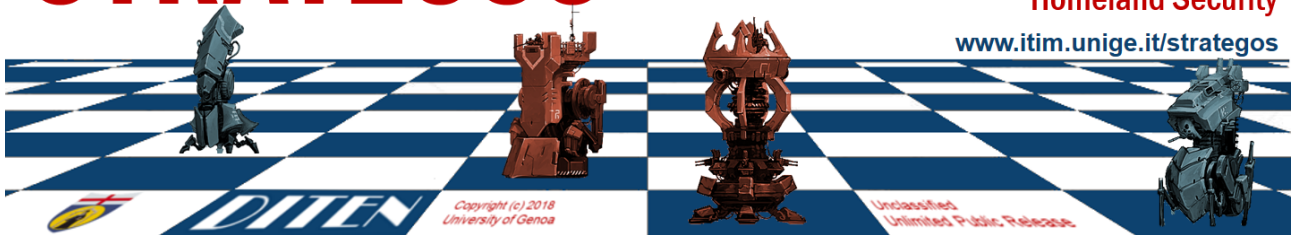
LANGUAGES

- Mother tongue(s):   Italian
- Other language(s): English B2 (Independent User) in Understanding (Listening*& Reading), Speaking (Spoken Interaction & Spoken Production) & Writing as in Common European Framework of Reference (CEF) level

ADDITIONAL INFORMATION

Membership	Member of Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) since 29/03/2017, with affiliation to Laboratorio Nazionale di Smart, Sustainable and Secure Internet Technologies and Infrastructures (S3ITI).
	IEEE member since 2013, Italian section (membership n. 92486754).
Web	Online interview for L'Androide Minimalista, as computer software developer for the Android mobile platform. URL http://bit.ly/androideminimalista
	Online interview for Il Setup, as computer scientist. URL (archive) http://bit.ly/ilsetup_archive
	Online interview for ProntoPRO, as owner and ideator of the Italia Webcam website. URL http://bit.ly/italiawebcam_prontopro
	Mention inside of the Italian podcast "Digitalia" (episodes 164, 344), as expert in the cybersecurity topic and as supporter of the podcast.
	Mention inside of the Italian podcast "EasyApple" (episode 294).
	Mention inside of the international magazine "Linux Format", as computer software developer (June 2016). URL http://bit.ly/linuxformat_uk_062016
	Mention inside of the magazine "Master Linux", as computer software developer (November-December 2018).
Driving license	Obtained European driving license, B level.

In compliance with the Italian legislative Decree no. 196 dated June 30th, 2003, I hereby authorize you to use and process my personal details contained in this document.

Web References   www.auino.com

www.linkedin.com/in/enricocambiaso