Ph.D program in
ENGINEERING AND APPLIED SCIENCES

University of Bergamo

XXXII Edition

Ph.D. STUDENT PLAN OF ACTIVITIES
3rd YEAR – 2018/2019

Name	Enrico
Surname	Bacis
Curriculum	Technologies for computer science, automation, electronic engineering and mechatronics
Tutor	Prof. Stefano Paraboschi
Research Project	Protecting Resources and Regulating Access in Centralized and Decentralized Cloud Systems
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CREDITS ACQUIRED IN THE 1st YEAR OF THE PH.D. PROGRAM

	Activities	Courses	hours	CF
A t t e n d a n c e	1a **Courses in the Master Degrees of the University of Bergamo**			
	1b,c **Courses in the Ph.D. program in Eng. and Applied Sciences or at other Universities**	Introduzione alla programmazione scientifica **(UniBG)**	**16**	**3,2**
		Internet Economics **(Politecnico di Milano)**	**20**	**4**
	1d **Schools for Ph.D. students**			
	1e **Attendance at Ph.D seminars**	• Cybersecurity, Nuclear Security, Alan Turing, and Illogical Logic • Is it practical to build a truly distributed payment system? • Cryptographic Currencies Crash Course • The Misuse of Android Unix Domain Sockets and Security Implications • Call Me Back! Attacks on System Server and System Apps in Android through Synchronous Callback • Draco: A system for Uniform and Fine-grained Access Control for Web Code on Android • AUDACIOUS: User-Driven Access Control with Unmodified Operating Systems • The Sounds of The Phones: Dangers of Zero-Effort Second Factor Login based on Ambiend Audio • Drammer: Deterministic Rowhammer Attacks on Mobile Platforms • Content Security Problems? Evaluating the Effectiveness of Content Security Policy in the Wild • CSP is Dead, Long Live CSP! On the Insecurity of Whitelists and the Future of the Content Security Policy • Online tracking: A 1-million-site measurement and analysis • Generic Attacks on Secure Outsourced Databases • The Shadow Nemesis: Inference Attacks on Efficiently Deployable, Efficiently Searchable Encryption • Breaking Web Applications Built On Top of Encrypted Data	**#15**	**3**

		Seminars/papers	Number	CF
P R E S E N T A T I O N S	2a **Presentation of papers at national conferences**	• Linux Day Bergamo 2016	**2**	**4**
	2a **Presentation of papers at international conferences**	• WISCS 2016 (Vienna, Austia)		
	2b **Presentation of research seminars**	• Seminario di fine primo anno	**1**	**1**
	TOTAL		-	**15,2**

UNIVERSITÀ DEGLI STUDI DI BERGAMO

Dottorato in Ingegneria e Scienze Applicate

CREDITS ACQUIRED IN THE 2nd YEAR OF THE PH.D. PROGRAM

	Activities	Courses	hours	CF
A t t e n d a n c e	1a **Courses in the Master Degrees of the University of Bergamo**	Intelligenza Artificiale		**6**
	1b,c **Courses in the Ph.D. program in Eng. and Applied Sciences or at other Universities**	Biometric systems (Angelo Genovese - **UniBG**)	**12**	**2,4**
	1d **Schools for Ph.D. students**	Google's 5th PhD Student Summit on Compiler and Programming Language	**20**	**4**
		Python for Scientific Computing Training	**24**	**4,8**
		Google's 2nd PhD Student Summit on Web Application Security	**20**	**4**
		Google PhD Interns Summer Conference	**16**	**3,2**
	1e **Attendance at Ph.D seminars**			
		Seminars/papers	**Number**	**CF**
P R E S E N T A T I O N S	2a **Presentation of papers at national conferences**		**2**	**6**
	2a **Presentation of papers at international conferences**	• CNS 2017 (Las Vegas, US) • CSAW 2017 (Valence, FR)		
	2b **Presentation of research seminars**	• Seminario su binary analysis e Reverse Engineering • Seminario su paradigmi di programmazione in Java • Seminario su programmazione competitiva • Seminario fine secondo anno	**4**	**4**
	TOTAL			**34,4**

CREDITS ACQUIRED IN THE 3rd YEAR OF THE PH.D. PROGRAM

	Activities	Courses	hours	CF
A t t e n d a n c e	1a **Courses in the Master Degrees of the University of Bergamo**			
	1b,c **Courses in the Ph.D. program in Eng. and Applied Sciences or at other Universities**	Uso di strumenti informatici a supporto del ricercatore (Unibg)	**20**	**4**
		Data Security and Privacy in the Cloud (Unibg)	**10**	**2**
		Practical Approaches to Cloud Assurance and Security (Unimi)	**10**	**2**
	1d **Schools for Ph.D. students**	Google's 6th PhD Student Summit on Compiler and Programming Language	**15**	**2** + 1 in sovrannumero
	1e **Attendance at Ph.D seminars**			
		Seminars/papers	Number	CF
P R E S E N T A T I O N S	2a **Presentation of papers at national conferences**			
	2a **Presentation of papers at international conferences**			
	2b **Presentation of research seminars**	• Seminario di fine terzo anno	**1**	**1**
	TOTAL			**11**

Dalmine, 13/09/2019

Ph.D. Student _____   **Signature of the tutor:**
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Plan approved / changed on …/…/….   **Signature of the Ph.D. Coordinator:**
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