**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** |

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**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** |
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**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)  Data Security and Privacy in the Cloud (Unibg)  Practical Approaches to Cloud Assurance and Security (Unimi) | **20   10**  **10** | **4   2   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** |
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**Dalmine, 13/09/2019**

**Ph.D. Student** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Signature of the tutor:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Plan approved / changed on …/…/…. **Signature of the** **Ph.D. Coordinator:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_