Cristiano De Faveri

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Education

2022	**Ph.D in Computer Science (Advisor: Ana Moreira)** NOVA School of Science and Technology, Portugal Title: Modeling Deception for Cyber Security
2013	**Master in Computer Science (Advisor: Eduardo Kessler Piveta)** Federal University of Santa Maria (UFSM), Brasil Title: A Domain-Specific Query Language for Aspect-Oriented Code
2008	**Specialization in Software Engineering** IPT - USP, Brazil
2000	**Specialization in Software Engineering** University of Campinas (UNICAMP), Brazil
1995	**Bachelor in Mathematics** FSA, Brazil
1990	**Data processing** Technical School Lauro Gomes (ETELG), Brazil

Bibliographical Production

Articles in Scientific Journals

1. TEIXEIRA, JÂNIO ELIAS ; NETO, HERES EDISON VALDIVIESO TOBAR ; FAVERI, CRISTIANO DE ; SACCOL, DEISE DE BRUM ; VIZZOTTO, JULIANA KAIZER ; PIVETA, EDUARDO KESSLER. **A Refactoring Catalog for Lambda Expressions in Java**. INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, v. 29, p. 791-818, 2019.

2. DE FAVERI, CRISTIANO ; MOREIRA, ANA ; AMARAL, VASCO . **Multi-paradigm deception modeling for cyber defense**. JOURNAL OF SYSTEMS AND SOFTWARE, v. 141, p. 32-51, 2018.

Book Chapter Published

1. BALDISSERA, THAIS ANDREA ; CAMARINHA-MATOS, LUIS M. ; DE FAVERI, CRISTIANO. **IFIP Advances in Information and Communication Technology**. 633 ed. : Springer International Publishing, 2017, v. 499, p. 20-28.

Articles in Newspapers/Magazines

1. BALDISSERA, T. A. ; FAVERI, C. . **Emergent Technologies for Active Aging**. Coming - Communications and Innovations Gazette, Santa Maria - RS, p. 68 - 77, 02 jun. 2016. Complete works published in proceedings of conferences

2. BALDISSERA, THAIS ANDREA; CAMARINHA-MATOS, LUIS M.; DE FAVERI, CRISTIANO. **An Elderly Care Ecosystem Application**, 2019, Lisbon. IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society, 2019. p. 2773.

3. DE FAVERI, CRISTIANO; MOREIRA, ANA. **A SPL Framework for Adaptive Deception-based Defense**. Proceedings of the 51st Hawaii International Conference on System Sciences, 2018.

4. FAVERI, CRISTIANO DE ; MOREIRA, ANA. **Visual Modeling of Cyber Deception**, 2018, Lisbon. 2018 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), 2018. p. 205.

5. DE FAVERI, CRISTIANO ; MOREIRA, ANA ; SOUZA, ERIC. **Deception planning models for cyber security**, 2017, Trieste. 2017 17th International Conference on Computational Science and Its Applications (ICCSA), 2017. p. 1.

6. SOUZA, ERIC ; MOREIRA, ANA ; DE FAVERI, CRISTIANO. **An approach to align business and IT perspectives during the SOA services identification**, 2017, Trieste. 2017 17th International Conference on Computational Science and Its Applications (ICCSA), 2017. p. 1.

7. BALDISSERA, THAIS ANDREA; CAMARINHA-MATOS, LUIS M.; DE FAVERI, CRISTIANO. **Designing elderly care ecosystem in collaborative networks environment**, 2017, Lagos. 2017 International Conference on Computing Networking and Informatics (ICCNI), 2017. p. 1.

8. FAVERI, CRISTIANO DE ; MOREIRA, ANA ; AMARAL, VASCO. **Goal-Driven Deception Tactics Design**, 2016, Ottawa. 2016 IEEE 27th International Symposium on Software Reliability Engineering (ISSRE), 2016. p. 264.

9. FAVERI, CRISTIANO DE ; MOREIRA, ANA ; ARAUJO, JOAO ; AMARAL, VASCO. **Towards Security Modeling of e-Voting Systems**, 2016, Beijing. 2016 IEEE 24th International Requirements Engineering Conference Workshops (REW), 2016. p. 145.

10. DE FAVERI, CRISTIANO ; MOREIRA, ANA. **Designing Adaptive Deception Strategies**, 2016, Vienna. 2016 IEEE International Conference on Software Quality, Reliability and Security Companion (QRS-C), 2016. p. 77.

11. CANTARELLI, G. ; FAVARI, C. ; PIVETA, E.. **Um Processo para o Uso de Linguagens de Consulta em Código Fonte**, 2013, João Pessoa. Anais do IX Simpósio Brasileiro de Sistemas de Informação, 2013. v. 01. p. 403-414.

Event Organization

1. 25th Requirements Engineering Conference. Lisbon – Portugal, 2017. Student Volunteer Chair.

2. 24th Requirements Engineering Conference. Beijing – China, 2016. Student Volunteer.

3. 22th Requirements Engineering Conference - Karlskrona - Sweden, 2014. Student volunteer.

4. 17th International Conference on Computational Science and Its Applications (ICCSA). Trieste - Italy, 2017. Scientific session chair.

Presentations of Work

1. DE FAVERI, CRISTIANO ; MOREIRA, ANA . A SPL Framework for Adaptive Deception-based Defense. Proceedings of the 51st Hawaii International Conference on System Sciences, 2018.

2. FAVERI, C. ; MOREIRA, A. ; SOUZA, E. . Deception planning models for cyber security. 2017.

3. SOUZA, E. ; MOREIRA, A. ; FAVERI, C. . An approach to align business and IT perspectives during the SOA services identification. 2017.

4. FAVERI, C. . Deception-based Adaptive Architectures for Cyber Security. 2016.

5. FAVERI, C. ; MOREIRA, A. . Designing Adaptive Deception Strategies. 2016.

6. FAVERI, C. . Desenvolvimento de software orientado a aspectos. 2013.

7. BALDISSERA, T. A. ; FAVERI, C. . Agile project management with SCRUM. 2012.

8. FAVERI, C. . Agile management with SCRUM - Experience in the Telecom area. 2011.

9. FAVERI, C. . Agile project management with SCRUM. 2011.

Main training and congresses

Last trainings

2015	**Design Thinking Course, 16 hs** NOVA Doctoral School, Portugal
2015	**Research Skills Development Course, 32 hs** NOVA Doctoral School, Portugal
2010	**CMMi for Development, 24 hs** Alcatel-Lucent

Congresses and symposiums

2018	**Advanced Doctoral Conference on Computing, Electrical and Industrial Systems** Lisbon, Portugal (Participant)
2018	**Hawaii International Conference on System Sciences (HICSS)** Hawaii, USA (Presenter)
2018	**Symposium on Visual Languages and Human-Centric Computing** Lisbon, Portugal (Presenter)
2017	**International Conference on Computational Science and Its Applications (ICCSA)** Trieste, Italy (Presenter)
2016	**Requirements Engineering Conference** Beijing, China (Presenter)

2016	**International Symposium on Software Reliability Engineering (ISSRE)**
	Ottawa, Canada (Presenter)
2016	**International Conference on Software Quality, Reliability and Security Companion (QRSC)**
	Vienna, Austria (Presenter)
2015	**Grand Timely Topics in Software Engineering (GTTSE) - Summer school**
	Braga, Portugal (Participant)
2014	**Requirements Engineering Conference**
	Karlskrona, Sweden (Student volunteer, participant)
2006	**International Symposium on Software and Database Engineering**
	Florianópolis, Brazil (Participant)
2005	**International Software Pattern Congress (PloP)**
	Campos do Jordão, Brasil (Participant)
2003	**Brazilian Extreme Programming Congress**
	São Paulo, Brasil (Participant)

Experience

Academic

2022 − current	**Lecturer**
	Antonio Meneghetti Faculdade (Brazil)

Database Fundamentals, Applied Database disciplines.

2014 − 2021	**Researcher**
	NOVA School of Science and Technology, University NOVA Lisbon (Portugal)

Member of the automated software engineering team; main interests as a researcher: (i) Security (deception-based security, security by design, threat modeling, web-app threats) (ii) Software architecture (styles, patterns, modeling, validation) (iii) Requirements engineering (elicitation, evaluation, specification, analysis, and evolution) (iv) Agile development (Methods and frameworks, technical debt, metrics, quality) (v) Domain-specific languages (Design and implementation of domain-specify modeling languages) - expertise in Sirius and Xtext. (vi) Aspect-oriented paradigm (aspect-oriented modeling, aspect-oriented programming) (vii) Empirical software engineering (controlled experiments, case studies, and survey research)

2013 − 2013	**Lecturer**
	Antonio Meneghetti Faculdade (Brazil)

Discrete Math discipline.

Industry

2021 – current   Chief Technology Officer
Voalle Technology

Voalle is a software company focused on the development of management systems for internet service providers. Main achievements include: (i) Reduced incidents by 80% in 6 months. (ii) Generated an increase of 30% in annual revenue. (iii) Implemented the organization's product portfolio management to prioritize the development of solutions. (iv) Responsible for building and executing the strategic plan for the entire software development area. (v) Spearheaded the adoption of agile methodology (Scrum and Kanban) and management tools (fully remote and hybrid workforce). (vi) Established QA process, metrics, and end-to-end test automation using Selenium webdrive and Cypress. (vii) Developed a program to improve programmers' skills and competencies. (viii) Established multi-level OKRs and KPIs to increase quality, productivity, and product acceptance. (ix) Created and implemented a merit system for the engineering team (later adopted by the entire organization). (x) Created and conducted Product Owner mentoring to improve their skills and capabilities. (xi) Conducted check-ins and one to one practices with leaders and managers (xii) Actively participating in the design of several products, including CRM, Help-desk and Omnichannel / Chatbots, Field service management (FSM), and neutral networks (e.g., V.Tal and FiBrasil).

2011 – 2015   Chief Technology Officer
OddO Soluções Digitais (Brazil)

OddO was a Brazilian startup created in 2011, in which I was a partner. At OddO I was responsible for the innovation process; designed the Oddo enterprise network, a reverse auction-based business network to facilitate the process of acquisition of goods; specified the product requirements, modeled the software architecture, and managed the entire project implementation.

2013 – 2013   Consultant
Naddive Inc.

Naddive was an American startup focused on network traffic analysis. At Naddive I worked on the design of solutions for consumer behavior prediction and deep packet inspection; collaborated actively in the recruitment of professionals, definition of the organizational structure, and action plans for fundraising; mentored the development of customized solutions for LATAM customers.

2007 – 2011   Technical project manager
Alcatel-Lucent (Brazil)

Alcatel-Lucent (current Nokia Networks) is a multinational telecommunication company. At ALU I managed the software development team for traffic control and security solutions; implemented agile methodologies; worked on developer's management and analysis, design, and quality assurance process of products. The main products/solutions I worked on: i) Traffic control (*traffic shaping*) using DPI technology (Cloudshield). ii) DDoS attack detection and mitigation. iii) Subscriber traffic management, quota management, and policy control according to 3GPP specification. iv) Fraud detection in ADSL technology. v) Subscriber portal for prepaid services on broadband operators.

1992 – 2007   Software engineer
Datamace Informática (Brazil)

Datamace is a company focused on human resources management software products; started as a programmer, later on I assumed as a technical leader and then I became a technical manager; ran a

number of projects using Delphi and COBOL technologies (MicroFocus, AcuCOBOL, Fujitsu COBOL);
designed and implemented a development process based on RUP for ISO 9001 compliance; main prod-
ucts/projects I worked on include payroll systems, financial systems, customized integration for SAP
and ADP systems, and data conversion (CISAM, relational databases, XML, text files, etc.); imple-
mented the system update project for the year 2000 and modernization of all legacy code (COBOL)
to Delphi (WEB) and relational database (Oracle); actively took part in the strategic decisions of the
organization;

Languages

Portuguese	Mother tongue
English	● ● ● ● ○
Spanish	● ● ● ○ ○
Italian	● ● ○ ○ ○ (Level A2)
German	● ○ ○ ○ ○ (Level A1)

Additional information

1. I own dual citizenship (Brazil/Italy).

2. More about my professional career, please refer to linkedin page
   (https://www.linkedin.com/in/cfaveri).

3. Additional info about my academic career can be reached at Lattes:
   (https://lattes.cnpq.br/2491857289330074) and dblp (https://dblp.org/pid/186/6524.html).