

# Nicola Dragoni

Curriculum Vitae - 31/03/2023

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*"The greatest danger for most of us is not that our aim is too high and we miss it, but that it is too low and we reach it."  
– (attributed to) Michelangelo*

## Personal Details

Date of birth: January 25th, 1978  
ORCID Profile (link): [Nicola Dragoni](#)  
LinkedIn Profile (link): [Nicola Dragoni](#)  
H-index (Google scholar): 35

## Academic Qualifications

04/2006 **PhD in Computer Science**, University of Bologna, Italy.  
11/2002 **Laurea degree in Computer Science (110/110 cum Laude)**, University of Bologna, Italy.

## Career Record

### Academic Appointments

Since 12/2022 **Deputy Director**, DTU Compute, Department of Applied Mathematics and Computer Science (440+ employees), Technical University of Denmark (DTU).  
Since 02/2022 **Head of Section "Cybersecurity Engineering"**, DTU Compute, Department of Applied Mathematics and Computer Science, Technical University of Denmark (DTU).  
Since 09/2020 **Head of DTU Center for Digital Security (DIGISEC)**, Technical University of Denmark (DTU).  
<https://digitalsecurity.dtu.dk>  
01/2020 - 12/2022 **Deputy Head of DTU Compute PhD school**, DTU Compute, Department of Applied Mathematics and Computer Science, Technical University of Denmark (DTU).  
01/2020 - 12/2021 **Member of the MFI (Matematik, Fysik og Informatik) PhD School of DTU**, Technical University of Denmark (DTU).  
Since 12/2019 **Professor in Secure Pervasive Computing**, DTU Compute, Department of Applied Mathematics and Computer Science, Technical University of Denmark (DTU).  
10/2014 - 01/2021 **(Part-Time) Full Professor in Computer Engineering**, Centre for Applied Autonomous Sensor Systems (AASS) - Örebro University, Sweden.  
05/2011 - 11/2019 **Associate Professor in Distributed Systems and Security**, DTU Compute, Department of Applied Mathematics and Computer Science, Technical University of Denmark (DTU).  
01/2009 - 4/2011 **Assistant Professor in Distributed Systems and Security**, DTU Informatics, Technical University of Denmark (DTU).  
01/2007 - 12/2008 **Postdoctoral Research Fellow**, Department of Information Engineering and Computer Science, University of Trento, Italy.  
12/2002 - 12/2006 **Research Associate**, Department of Computer Science, University of Bologna, Italy.

### Other Affiliations

Since 04/2018 **Nordic IoT Hub**, Area: Cybersecurity, Denmark, <http://www.nordic-iot.org>.  
Since 10/2015 **Copenhagen Center for Health Technology (CACHET)**, Area: Cybersecurity, Denmark, <http://www.cachet.dk>.

### Visiting Appointments

08 - 09/2017 **Visiting Professor**, Innopolis University, Kazan, Russia.

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- 06 - 09/2006 **Visiting Researcher**, MIT Center for Collective Intelligence (CCI), Massachusetts Institute of Technology (M.I.T.), Boston, MA, U.S.A.
- 09 - 10/2004 **Visiting Researcher**, Knowledge Media Institute (KMI), Open University, Milton Keynes, U.K.

### IT Consulting

- 2008 **IT Consultant**, Province of Bologna (<http://www.provincia.bologna.it>).
- 2005 - 2006 **IT Consultant**, etonelli.com Moving Technology (<http://etonelli.com>).

## Funded Research Projects

### Active

- 2023 **Styrkelse af uddannelsesmuligheder i cyber- og informationssikkerhed for ledere og bestyrelsesmedlemmer (Strengthening training opportunities in cyber and information security for managers and board members)**, ~1M DKK, 2 participants, funded by UFM (Ministry of Higher Education and Science). Role: Leader.
- 2022 - 2025 **SIOT – Secure Internet of Things – Risk analysis in design and operation**, ~25M DKK (~4M DKK to DTU as participant), 5 participants, DIREC Bridge Project. Role: participant.
- 2021 - 2024 **TRANSACT - Transform Safety-Critical Cyber-Physical Systems into Distributed Solutions for End-Users and Partners**, ~26.5M € (~164K € to DTU as participant), 30 participants, H2020-EU.2.1.1.7 (ECSEL). Role: participant.
- 2020 - 2023 **ASSURED - Future Proofing of ICT Trust Chains**, ~5M € (~443K € to DTU as participant), 14 participants, H2020-SU-ICT-02-2020. Role: participant.
- 2018 - 2023 **Nordic IoT Hub**, ~3.3M € (~924K € to DTU as coordinator), 5 participants, funded by NordForsk's Nordic University Hubs, <http://www.nordic-iot.org>. Role: participant.

### Past

- 2022 **The Potentials and Barriers of Blockchain in the Toy Industry**, ~400K DKK, 2 participants, funded by the Danish Safety Technology Authority. Role: project leader.
- 2019 - 2022 **CyberSec4Europe**, ~16M € (~300K € to DTU as participant), 43 participants, funded by H2020-SU-ICT-03-2018. Role: site leader, co-supervisor of one post-doc.
- 2020 - 2022 **ENGINE - Cyber Security for European SMEs**, ~218K € (~29K € to DTU as participant), 7 participants, Erasmus+ KA202-2020-010 funded by Danish National Agency. Role: participant.
- 2019 - 2022 **CIDI - Cybersecure IoT in Danish Industry**, ~1.66M € (~219K € to DTU as participant), 4 participants, funded by the Danish Industry Foundation. Role: I contributed to writing the proposal, participant, supervisor of one postdoc.
- 2017 - 2021 **Fog Computing for Robotics and Industrial Automation (FORA)**, ~4M € (~1.16M € to DTU as coordinator), 7 participants, funded by H2020-MSCA-ITN-2017, <http://www.fora-etn.eu>. Role: I contributed to writing the proposal, WP leader, supervisor of one PhD student.
- 2018 - 2020 **Sustainable Security of IoT Communication**, ~34K €, 2 DTU participants, funded by Poul V. Andersens Foundation. Role: I contributed to writing the proposal, participant.
- 2019 - 2020 **Bottom-Up Blockchain Value Chains in the Food Sector**, ~482K € (~79K € to DTU Compute as participant), 5 participants, funded by the Danish Industry Foundation. Role: I contributed to writing the proposal, participant, supervisor of one postdoc.
- 2015 - 2020 **e-care@home**, 4 participants, ~3M € (~1M € to ORU as coordinator), SIDUS - Strong Distributed Research Environment funded by Swedish Knowledge Foundation, <https://ecareathome.se>. Role: participant.
- 2016 - 2019 **European Initiative to Enable Validation for Highly Automated Safe and Secure Systems (ENABLE-S3)**, 72 participants, ~64.8M € (~231K € to DTU), funded by ECSEL Joint Undertaking (grant agreement 692455), <https://www.enable-s3.eu>. Role: participant with focus on cybersecurity, in particular on security anomaly detection for deterministic ethernet.
- 2015 - 2016 **RAPP (Recovery Assessment by Phone Points)**, 3 participants, funded by Swedish Ministry of Health and Social Affairs (FORTE), Sweden. Role: consultant covering the cybersecurity area, in particular mobile application security.

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- 2011 - 2017 **IDEA4CPS (Foundations for Cyber-Physical Systems)**, 4 participants, funded by Danish National Research Foundation. Role: participant (with no funding) working on cybersecurity and energy-harvesting wireless sensor networks.
- 2008 **SENSORIA (Software Engineering for Service-Oriented Overlay Computers)**, 18 participants, funded by EU-FP6-IST-IP. Role: post-doc researcher.
- 2007 - 2008 **S3MS (Security of Software and Services for Mobile Systems)**, 13 participants, funded by EU-FP6-IST-STREP. Role: post-doc researcher and team leader.
- 2006 **Decision Making in Fund Raising Management**, funded by University of Bologna, Italy. Role: post-doc researcher.
- 2002 - 2006 **Tools for Knowledge Sharing on the Internet, Semantic Web and Software Applications**, funded by Department of Computer Science, University of Bologna, Italy. Role: junior researcher.

## Invited Talks, Keynotes and Tutorials

### Highlights

- 10/2022 **DTU Digital Competence Development Course: Digital Transformation and Modernization in Brazil**, *How to Make a Safe Digital Transformation*, Invited Talk (1 hour), Brasilia, Brasil.
- 10/2022 **DTU Digital Competence Development Course: Digital Transformation and Modernization in Brazil**, *The Dark Side of Digital Revolution*, Invited Talk (2 hours), Brasilia, Brasil.
- 09/2021 **Denmark's Ministry of Industry, Business and Financial Affairs**, *Demystifying and Demythologising Blockchain Technology*, Invited Talk (2 hours), Valby, Denmark.
- 08/2021 **International Workshop on Very Large Internet of Things (VLIoT 2021) (affiliated with VLDB)**, *The Dark Side of IoT: The Internet of Hackable Things*, Keynote, Copenhagen, Denmark.
- 12/2019 **IEEE Globecom 2019**, *IoT Security with Fog Computing and Security-by-Contract*, Invited Talk, Waikoloa, HI, USA.
- 12/2019 **IEEE Globecom 2019**, *Fog Computing - A Security Perspective*, Invited Talk and Panelist, Waikoloa, HI, USA.
- 06/2019 **International Workshop on Cloud and Fog Robotics in the Age of Deep Learning (affiliated with RSS 2019)**, *Securing IoT through Fog Computing*, Invited Talk and Panelist, Freiburg im Breisgau, Germany.
- 04/2019 **IEEE 5th World Forum on Internet of Things**, *Fog Computing & Networking: Key Enablers for Emergent IoT Services and Applications in 5G/6G Environment*, Invited Panelist, Limerick, Ireland.
- 10/2018 **High Tech Summit 2018**, *The AntibloTic Comes with the Fog: Protecting IoT Devices*, Invited Talk, DTU, Kgs. Lyngby, Denmark. Facts (2017): 50+ countries, 700+ companies, 3.700+ attendees.
- 10/2018 **Fog World Congress 2018**, *Fog Computing for Robotics and Industrial Automation - The FORA Project*, Invited Talk, San Francisco, California, U.S. Biggest world event on Fog Computing.
- 09/2018 **E-18: Biggest Electronic Fair in Denmark**, *The Rise of Next-Generation Cyber-Weapons: Smart Objects, A.I. and Humanoid Robots*, Invited Talk, Odense, Denmark. Facts: 3600+ attendees.
- 06/2018 **6th International Conference on Software Engineering for Security & Defense Applications**, *The Rise of Next Generation Cyber-Weapons*, Keynote, Rome, Italy.
- 05/2018 **1st IEEE International Conference on Industrial Cyber-Physical Systems (ICPS-2018)**, *The Rise of Next-Generation Cyber-Weapons - The Internet of Hackable Things*, Tutorial (2 hours), Saint Petersburg, Russia.
- 05/2018 **IDA Universe, Danish Society of Engineers (IDA)**, *Cryptocurrency Technologies (Beyond Bitcoin)*, Invited Talk (2 hours), Copenhagen, Denmark. Facts: 200+ attendees.
- 04/18 **Embedded Everywhere Conference 2018, Danish Society of Engineers (IDA)**, *The Rise of Next-Generation Cyber-Weapons: A.I., Smart Objects and Humanoid Robots*, Invited Talk, Copenhagen, Denmark. Major conference on Embedded Systems in Denmark. Facts: 300+ attendees.
- 02/2018 **Forsikring (Insurance) Conference 2018**, *Cyber(in)security in the Age of Digital Transformation - Why Hackers Love Digitalisation*, Invited Talk, Copenhagen, Denmark. Event only for top management, 50+ attendees.
- 09/2017 **Forum della Leopolda**, <http://forumdellaleopolda.it>, *The Internet of Hackable Medical Devices*, Invited Talk, Florence, Italy. Facts: 2000+ attendees.
- 03/2017 **IDA Future Talks (Local TED), Danish Society of Engineers (IDA)**, *The Internet of Hackable Things*, Invited Talk, Copenhagen, Denmark. Facts: 200+ attendees.

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- 03/2017 **ICANN58**, *The Internet of Hackable Things - How your Everyday Objects Might Become Hackers' Cyber-Weapons*, Invited Talk, Copenhagen, Denmark. Facts: 2,000+ attendees.
- 11/2016 **Embedded Everywhere Conference 2016, Danish Society of Engineers (IDA)**, *The Internet of Hackable Things*, Invited Talk, Copenhagen, Denmark. Facts: 300+ attendees.
- 09/2016 **E-16: Biggest Electronic Fair in Denmark**, *The Internet of Hackable Things - Why Hackers Love the Internet of Things*, Invited Talk, Odense, Denmark. Facts: 3600+ visitors.
- 09/2015 **Driving IT Conference 2015, Danish Society of Engineers (IDA)**, *Mind The Tracker You Wear - A Security Analysis of Wearable Health Trackers*, Invited Talk, Copenhagen, Denmark. Facts: 200+ attendees.
- 06/2011 **IFIPTM'11 (IFIP Trust Management) Industry Day**, *Security-by-Contract for Applications' Evolution in Open Multi-Application Smart Cards*, Invited Talk, Copenhagen, Denmark. Facts: 50+ attendees.

## Others

- 03/2023 **Danske Bank's Conference on Combating Economic Crime**, *The Dark Side of Digital Revolution - Banking Edition*, Invited Talk (30 mins), Danske Bank, Copenhagen, Denmark.
- 01/2023 **Green Deep Dives Executive Master Class**, *Blockchain Technology in the Green Transition*, Invited Talk (30 mins), TU, Kongens Lyngby, Denmark.
- 11/2022 **DANITACOM - Italian Chamber of Commerce**, *The Dark Side of Digital Revolution*, Invited Talk (2 hours), Copenhagen Denmark.
- 09/2022 **ENGINE Multiplier Event**, *The Dark Side of Digital Revolution*, Invited Talk (2 hours), DTU, Kongens Lyngby, Denmark.
- 06/2022 **IDA Universe, Danish Society of Engineers (IDA)**, *The Dark Side of Digital Revolution*, Invited Talk (2 hours), Copenhagen, Denmark. Facts: 200+ attendees.
- 05/2022 **IDA Universe, Danish Society of Engineers (IDA)**, *Demystifying and Demythologising Blockchain Technology*, Invited Talk (2 hours), Copenhagen, Denmark. Facts: 200+ attendees.
- 04/2022 **Forskningens Døgn 2022 at IBA (International Business Academy)**, *Click Here to Kill Everybody: The Dark Side of Digital Revolution*, Invited Talk (1 hour), Kolding, Denmark.
- 11/2021 **Copenhagen Center for Health Technology (CACHET) Fall Seminar 2021**, *Click Here to Kill the Patient - The Dark Side of Digital Health*, Keynote, Kgs. Lyngby, Denmark.
- 11/2021 **DTU Digital Competence Development Course: Digital Transformation and Modernization in Brazil**, *Demystifying and Demythologising Blockchain Technology*, Invited Talk (2 hours), Kgs. Lyngby, Denmark.
- 09/2021 **DTU Efteruddannelseskursus**, *Demystifying and Demythologising Blockchain Technology*, Invited Talk (2 hours), Kgs. Lyngby, Denmark.
- 05/2021 **CIDI Network**, *The Internet of Hackable Things: How the Internet Can Control People*, Masterclass (2 hours), Copenhagen, Denmark.
- 04/2021 **IDA Universe, Danish Society of Engineers (IDA)**, *Demystifying and Demythologising Blockchain Technology*, Invited Talk (2 hours), Copenhagen, Denmark.
- 11/2020 **KEA Applied Research Roadshow Workshop**, *The Dark Side of Digital Revolution: The Internet of Hackable Things*, Invited Talk, Copenhagen, Denmark.
- 06/2020 **CIDI Network**, *The Internet of Hackable Things: How the Internet Can Control People*, Masterclass (2 hours), Copenhagen, Denmark.
- 04/2020 **KomDigital workshop**, *Demystifying and Demythologising Blockchain Technology*, Invited Talk (3 hours), Copenhagen, Denmark.
- 02/2020 **CIDI Network**, *The Internet of Hackable Things: How the Internet Can Control People*, Masterclass (2 hours), Copenhagen, Denmark.
- 01/2019 **IDA Universe, Danish Society of Engineers (IDA)**, *Cryptocurrency Technologies (Beyond Bitcoin)*, Invited Talk (2 hours), Odense, Denmark.
- 09/2018 **SDG (Sustainable Development Goals) Conference organized by Access2Innovation (<http://www.access2innovation.com>)**, *A Gente (and Honest) Conceptual Introduction to Blockchain*, Invited Talk, Aalborg, Denmark.
- 09/2018 **InfinIT Workshop on Biomarkers and IT**, *CyberSecurity in the IoT Era: the Rise of Next-Generation Cyber-Weapons*, Invited Talk, Copenhagen, Denmark.

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- 09/2018 **IDA Universe, Danish Society of Engineers (IDA)**, *Cryptocurrency Technologies (Beyond Bitcoin)*, Invited Talk (2 hours), Horsens, Denmark.
- 10/2017 **Data for Smarte Kommuner, Gate 21 and KL - Smart City Forum**, *The Internet of Hackable Smart Cities*, Invited Talk, Kongens Lyngby, Denmark.
- 05/2017 **Copenhagen Business Academy, Industri 4.0. - A Critical Perspective**, Invited Talk, Copenhagen, Denmark.
- 05/2017 **IDA Universe, Danish Society of Engineers (IDA)**, *The Internet of Hackable Things*, Invited Talk, Sønderborg, Denmark.
- 10/2016 **IDA Engineering Society Company for IT, Danish Society of Engineers (IDA)**, *The Internet of Hackable Things - Why Hackers Love the Internet of Things and Why We Should Be Concerned*, Tutorial (2 hours), Copenhagen, Denmark.
- 05/2016 **e-care@home Annual Project Meeting**, *The Internet of Hackable Things - Why Hackers Love the Internet of Things and Why We Should Be Concerned*, Invited Talk, Västerås, Sweden.
- 10/2013 **Danish Society of Engineers, Danish Society of Engineers (IDA)**, *Energy-Harvesting Wireless Sensor Networks - Challenges and State of the Art*, Invited Talk, Copenhagen, Denmark.
- 11/2012 **IDEA4CPS Annual Project Meeting**, *Energy-Harvesting Wireless Sensor Networks*, Invited Talk, Shanghai, Cina.
- 06/2011 **International Workshop on Petri Nets and Software Engineering (PNSE'11)**, *Design, Modelling and Analysis of a Workflow Reconfiguration, joint work with M. Mazzara, F. Abouzaid and A. Bhattacharyya*, Invited Talk, Newcastle upon Tyne, UK.

## PhD Students and Postdoc Researchers Awards

- 12/2021 **Michele De Donno got awarded with the DTU's Young Research Award**, *The award is given after the PhD as a recognition of outstanding research*, Technical University of Denmark.

### PostDocs

- 09/2021 - 08/2023 **Gaurav Choudhary**, funded by TRANSACT EU project.
- 06/2020 - 03/2023 **Edlira Dushku**, funded by CIDI - Cybersecure IoT in Danish Industry project.
- 09/2019 - 08/2020 **Panagiota Katsikouli**, funded by Bottom-Up Blockchain Value Chains in the Food Sector project.
- 06/2019 - 05/2020 **Anders Schlichtkrull**, funded by CyberSec4Europe project.
- 09/2019 - 01/2020 **Ievgeniia Kuzminykh**, funded by CIDI - Cybersecure IoT in Danish Industry project.
- 04 - 10/2019 **Luxi Zhao**, funded by CIDI - Cybersecure IoT in Danish Industry project.

### PhD Students

- Since 02/2022 **Alyzia-Maria Konsta**, *IoT Security Risk Modelling and Assessment*, funded by DIREC SIOT project, Co-supervisor.
- 2018 - 2022 **Niklas Reusch**, *Methods for the Design of Fog Computing-based Secure Autonomous Systems*, funded by DTU alliance scholarship, Co-supervisor.
- 2018 - 2021 **Koen Tange**, *Security in Fog Computing*, funded by FORA EU project (H2020-MSCA-ITN-2017), Main supervisor.
- 2018 - 2021 **Devender Kumar**, *Software Architecture and Platform for Multi-study and Multi-source Digital Phenotyping Research*, funded by Innovation Fund Denmark, Co-supervisor.
- 2017 - 2020 **Michele De Donno**, *AntibloTic*, funded by DTU Compute, Denmark, Main supervisor.
- 2016 - 2020 **Alberto Giarretta**, *Security for the Internet of Things*, funded by Faculty of Business, Science and Engineering, Centre for Applied Autonomous Sensor Systems (AASS) - Örebro University, Sweden, Main supervisor.
- 2011 - 2014 **Alessio Di Mauro**, *Adaptive Security in Energy Harvesting Wireless Sensor Networks*, funded by DTU Compute, Denmark, Main supervisor.
- 2010 - 2014 **Xenofon Fafoutis**, *Optimized Networking for Energy Harvesting Wireless Sensor Networks*, funded by DTU Compute, Denmark, Main supervisor.

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## Collaboration with Industry (in the form of BSc/MSc projects)

- 2022 **Fingerprinting Schemes against Post Quantum Cryptography IPsec/IKEv2 Encryption Appliance**, *SSH Communication Security, Finland.*
- 2022 **Test Automation Pyramid in Practice**, *Smartly, Finland.*
- 2022 **Performance Analysis and Optimization of Encryption as a Service in Kubernetes**, *Cybercrypt A/S, Denmark.*
- 2020 **Designing a Peer-to-Peer Scaleable Low Latency Chat App**, *Better Collective.*
- 2020 **Cyber Security Solutions for Enterprises**, *Hyperdivision ApS.*
- 2019 **Security Analysis of Active Directory**, *Improsec ApS.*
- 2019 **Deploying IoT Devices in a Secure and Flexible Way**, *IBM, Denmark.*
- 2018 **Digitalisation of Payments with the Use of Financial Stable Cryptocurrency**, *Deloitte, Denmark.*
  
- 2018 **Using Blockchain to Enforce Supply Chain Traceability in the Palm Oil Industry**, *Deloitte, Denmark.*
- 2018 **Security Metrics and Automation to Fulfill IT Systems Security Requirements**, *Lego System A/S, Denmark.*
- 2018 **The "Trusted" Gossip Protocol: a Real-Time Solution against Malicious Nodes in a Lightning Network**, *UniquiD, San Francisco, US.*
- 2018 **Blockchain for IoT**, *UniquiD, San Francisco, US.*
- 2018 **BitFlow - A Blockchain Solution Making Real-Time Cash-Flow Evaluations a Reality**, *Deloitte, Denmark.*
- 2018 **Fault-Tolerance of the Blockchain as a Distributed Database in a Commercial Context**, *eSmiley A/S, Denmark.*
- 2018 **SkypeCare**, *Rack People, Denmark.*
- 2018 **Internet of Things in a Military Context**, *Norwegian Defence Research Establishment (FFI), Norway.*
  
- 2018 **Data Warehousing for Water Streams**, *HedeDanmark A/S, Denmark.*
- 2017 **Moving Microsoft Dynamics NAV from Monolith to Microservices**, *Microsoft, Denmark.*
- 2016 **Scalability in Microservices Architectures**, *Danske Bank, Denmark.*
- 2016 **Application Level Defense Mechanism Against Denial of Service Attacks on Cloud-Based Services**, *Haemimont AD, Bulgaria.*
- 2016 **Efficient Plagiarism Detection for Large Document Collections**, *MaCom, Denmark.*
- 2016 **Citizen Health Record (CHR): Design of a Secure Distributed e-Heath Infrastructure**, *Computer Solutions S.A., Greece.*
- 2016 **Security Certification Model For Internet Of Things (IOT) Devices**, *FortConsult, Denmark.*
- 2016 **Save the Cloud - Synchronization of Devices for Reliable Cloud-based Applications**, *Dwarf, Denmark.*
- 2016 **Analysis and Design of an IT Infrastructure for Mobile Sensors.**  
*2BM, Denmark*
- 2016 **Identity and Access Management in a Hybrid Environment at E-conomic A/S**, *E-conomic A/S, Denmark.*
- 2015 **Modelling in Distributed Collaboration Software Systems**, *Mosaiqq, San Francisco, USA.*
- 2015 **Decoupling Computing Windows in a Mobile Environment**, *Mosaiqq, San Francisco, USA.*
- 2015 **Designing the Brunata Smart Metering Network Architecture**, *Brunata, Denmark.*
- 2014 **Design and Implementation of a Run-Time Visualisation Tool for Event-Driven Software**, *Shape, Denmark.*
- 2014 **Methods for Architecting Software**, *Shape, Denmark.*
- 2013 **Energy-Harvesting for Wi-Fi**, *MakeThisWork and WindowMaster, Denmark.*
- 2012 **Implementation of Energy Harvesting in Automatic Metering Infrastructure**, *Brunata, Denmark.*
  
- 2012 **Energy Aware Routing for Automatic Metering Infrastructure**, *Brunata, Denmark.*
- 2009 **Strong Naming of .NET Assemblies**, *Edlund A/S, Denmark.*

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## University Services

### Assessment Committees

- 06/2022 **Chairman of the Hiring Committee, DTU Tenure Track Assistant Professor or Associate Professor in Software Systems Engineering**, DTU Compute, Technical University of Denmark.
- 08/2021 **Chairman of the Hiring Committee, Associate Professor in Formal Methods and Programming Languages**, DTU Compute, Technical University of Denmark.
- 06/2020 **Chairman of the Hiring Committee, Associate Professors in Cybersecurity (2 positions)**, DTU Compute, Technical University of Denmark.
- 09/2018 **Member of the Hiring Committee, Assistant Professor in Network Security**, DTU Compute, Technical University of Denmark.

### Teaching Management

- Since 2018 **Member of the Board for a new Master in Cybersecurity (Continuing Education)**.  
DTU Compute, Technical University of Denmark, Denmark
- 2015 - 2018 **Member of the Civil Engineering (Civilingenjör) Programmes Board**.  
Örebro University, Sweden
- 2015 - 2018 **CDIO (Conceiving Designing Implementing Operating) Representative**.  
Örebro University, Sweden
- 2011 - 2013 **Responsible for the organization of the Student Information Meeting**.  
Embedded Systems Engineering (ESE) section, DTU Compute, Technical University of Denmark, Denmark

### Strategic Management

- 2014 - 2016 **Member of the Strategic Foundation Board**.  
DTU Compute, Technical University of Denmark, Denmark
- 2014 **Member of the Committee in charge of defining a new Strategic Foundation for the Department**.  
DTU Compute, Technical University of Denmark, Denmark

### Participation in PhD Committees

- 03/2023 **Examiner**, *Efficient Security Protocols for Constrained Devices*, Martin Gunnarsson, Lund University, Sweden.
- 05/2022 **Chair of examiners committee**, *Purpose Limitation and Secondary Use Prevention in Large-Scale Video Surveillance Systems*, Shizra Sultan, Technical University of Denmark.
- 09/2020 **Examiner**, *Secure Data Compression for Internet of Things*, PhD Qualifying Exam, Gajraj Kuldeep, Aarhus University, Denmark.
- 11/2018 **Chair of examiners committee**, *Design Optimization of IEEE Time-Sensitive Networks (TSN) for Safety-Critical Real-Time Application*, Voica Maria Gavrilut, Technical University of Denmark.
- 11/2018 **Chair of examiners committee**, *Typing and Compositionality Results for Stateful Protocols*, Andreas Hess, Technical University of Denmark.
- 09/2018 **Chair of examiners committee**, *Probabilistic Mapping of Spatial Motion Patterns for Mobile Robots*, Tomasz Piotr Kucner, Örebro University, Sweden.
- 04/2018 **Chair of examiners committee**, *Co-Simulation of Cyber-Physical System with Distributed Embedded Control*, Nicolai Pedersen, Technical University of Denmark.
- 11/2017 **Reviewer**, *Security and Privacy Threats on Mobile Devices through Side-Channels Analysis*, Riccardo Spolaor, University of Padua, Italy.
- 06/2017 **Examiner**, *Integration of Mobile Technologies with Routine Healthcare Services in Mozambique*, José António Nhavoto, Örebro University, Sweden.
- 04/2017 **Reviewer**, *Intellectual System for Increasing the Efficiency of the Enterprise IT-Services*, Toshchev Alexander Sergeevich, Kazan Federal University, Russia.
- 02/2015 **Examiner**, *Modeling Time-Series with Deep Networks*, Mårten Langkvist, Örebro University, Sweden.
- 09/2014 **Examiner**, *Design and Implementation of Energy Harvesting Powered Wireless Sensor Networks*, Dusan Vukovic, Technical University of Denmark.
- 09/2014 **Examiner**, *Safety-Critical Java for Embedded Systems*, Juan Ricardo Rios Rivas, Technical University of Denmark.

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- 05/2014 **Chair of examiners committee**, *Tradeoff Analysis for Dependable Real-Time Embedded Systems during the Early Design Phases*, Junhe Gan, Technical University of Denmark.
- 04/2014 **Member of the PhD recruitment committee**, DTU Compute, Technical University of Denmark, Denmark.
- 11/2013 **Examiner**, *On Building Secure Communication Systems*, Jose Quaresma, Technical University of Denmark.
- 06/2013 **Examiner**, *Formal Methods for Design and Simulation of Embedded Systems*, Mikkel Koefoed Jakobsen, Technical University of Denmark.

### Other

- 2019 **Member of the PhD Bazaar Organization Committee**, DTU Compute, Technical University of Denmark, Denmark.

## Interviews

- 2021 **Cyber LiveTalks - Opportunities and Talent Attraction in Cybersecurity**, CSA-CPH, 3 November 2022, 16-17am.
- 2017 **Temalørdag LIVE: Hacking - du er ikke alene**, DR 2 TV, 18 November 2017, 20:00-21:30 am.
- 2017 **Det er ikke en overdrivelse at kalde IoT en sikkerheds-katastrofe**, published on [universe.ida.dk](http://universe.ida.dk) (portal of the Danish Society of Engineers).
- 2017 **Eksperter er enige: Det er teoretisk muligt at hacke en pacemaker**, published on "TV2.dk" and "Information.dk". See [here](#).
- 2008 **Security of Software and Services for Mobile Systems**. N. Dragoni, F. Massacci. Published in *Frost & Sullivan Inside R&D alert*.
- 2008 **Cellulari, come farli diventare più sicuri**. N. Dragoni. Published in "Alto Adige" newspaper.
- 2008 **Cellulari, come farli più sicuri**. N. Dragoni. Published in "Il Trentino" newspaper

## Research Awards

- 12/2021 **Best Paper Award**, "DIMDA: Deep Learning and Image-based Malware Detection for Android", FT-NCT'21, Nirma, India.
- 09/2018 **Nominated for the Jorcks Fond Forskningspris 2018**, DTU.  
This is a grant given from time to time to recognize outstanding professors. I have been nominated representing DTU Compute, which is the Denmark's largest environment for mathematics and computer science. Only 3 researchers (out of 2000+) have been nominated in 2018 for DTU.
- 12/2013 **2nd Prize for Best MSc Project Award (Sebastiano Gottardo)**, CyberSecurity for the Next Generation - European Round 2014, Milan, Italy.
- 06/2012 **Best Workshop Award**, International Workshop on Trustworthy Multi-Agent Systems (TruMAS'12), KES-ASMTA'12 Special Session, Dubrovnik, Croatia.
- 09/2011 **Best Paper Award**, "Design, Modelling and Analysis of a Workflow Reconfiguration", Newcastle University (UK), School of Computing Science, Dependability Group Best Paper Award (together with co-authors M. Mazzara, F. Abouzaid, and A. Bhattacharyya).
- 07/2010 **Best Paper Award**, "A Survey on Trust-Based Web Service Provision Approaches", DEPEND'10, Venice, Italy.

## Research Services

### Editorial Boards

- Since 2020 **Associate Editor of Frontiers in Communications and Networks - Security, Privacy and Authentication**, Frontiers.
- 2016-2022 **Academic Editor of International Journal of Security and Communication Networks**, Wiley - Hindawi.
- Since 2011 **Academic Editor of Journal of Internet Services and Information Security**, Innovative Information Science & Technology Research Group (ISYOU).

### Conference & Workshop Organization

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- 2022 **Chair of the 6th Cryptocurrencies and Blockchain Technology Workshop (CBT'22)**, affiliated with ESORICS'22, Copenhagen, Denmark.
- 2022 **Local Chair of the 37th International Conference on ICT Systems Security and Privacy Protection (IFIP SEC 2022)**, Copenhagen, Denmark.
- 2021 **General Chair of the 13th International Symposium on Cyberspace Safety and Security (CSS'21)**, Copenhagen, Denmark.
- 2019 **Liaison to Fog World Congress for the International Workshop on Fog Computing and the Internet of Things (Fog-IoT'19)**, co-located with CPS-IoT Week 2019.
- 2017 **Chair of the 2nd International Workshop on Microservices: Science and Engineering (MSE)**, affiliated with the 15th International Conference on Software Engineering and Formal Methods (SEFM 2017), Trento, Italy.
- 2012 **Chair of the 1st International Symposium on Applied Research in Technologies of Information and Communication (ARcTIC'12)**, Bologna, Italy.
- 2012 **Chair of the Collaborative Infrastructure Protection Session**, Special Session at the 2nd IFIP International Workshop on Security and Cognitive Informatics for Homeland Defense (SeCIHD'12), in conjunction with ARES 2012.
- 2012 **Chair of the 1st International Workshop on Trustworthy Multi-Agent Systems (TruMAS'12)**, Special Session at KES-AMSTA 2012,.
- 2011 **Chair of the 5th Nordic Workshop on Dependability and Security (NODES'11)**, affiliated with the 5th IFIP International Conference on Trust Management (IFIPTM'11).
- 2011 **Chair of the 1st International Workshop on TRUStworthy Service-Oriented Computing (INTRUSO'11)**, affiliated with the 5th IFIP International Conference on Trust Management (IFIPTM'11).
- 2011 **Publicity and Session Chair of the 5th IFIP WG 11.11 International Conference on Trust Management (IFIPTM'11)**.
- 2010 **Chair of the International Workshop on Policies for the Future Internet (PoFI'10)**.
- 2009 **Session Chair of the 12th International Conference on Principles of Practice in Multi-Agent Systems (PRIMA'09)**.

#### PC Memberships

- 2023 **38th International Conference on ICT Systems Security and Privacy Protection (IFIP SEC 2023))**.
- 2023 **IEEE International Conference on Cyber-Security and Resilience (IEEE CSR 2023)**.
- 2022 **The 27th Nordic Conference on Secure IT Systems (NordSec 2022)**.
- 2022 **IEEE International Conference on Cyber-Security and Resilience (IEEE CSR 2022)**.
- 2022 **37th International Conference on ICT Systems Security and Privacy Protection (IFIP SEC 2022)**.
- 2022 **18th European Dependable Computing Conference (EDCC 2022)**.
- 2021 **The 14th International Symposium on Foundations & Practice of Security (FPS 2021)**.
- 2021 **The 2nd International Conference on Nonlinearity, Information and Robotics (NIR 2021) - Software Engineering track**.
- 2021 **The 3rd International Workshop on Cloud, IoT and Fog Systems (CIFS 2021)**.
- 2021 **The 26th Nordic Conference on Secure IT Systems (NordSec 2021)**.
- 2021 **36th IFIP TC-11 International Information Security and Privacy Conference (IFIP SEC 2021)**.
- 2021 **1st International Conference on Cyber-Security and Resilience (CSR 2021)**.
- 2020 **The 13th International Symposium on Foundations & Practice of Security (FPS'20)**.
- 2020 **The 25th Nordic Conference on Secure IT Systems (NordSec 2020)**.
- 2020 **International Conference on Microservices (Microservices 2020)**.
- 2020 **3rd Workshop on Cryptocurrencies and Blockchains for Distributed Systems (CryBlock 2020, co-located with MobiCom 2020)**.
- 2020 **2nd International Workshop on Fog Computing and the Internet of Things (Fog-IoT 2020), co-located with CPS-IoT Week 2020**.

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- 2020 **35th IFIP TC-11 SEC International Information Security and Privacy Conference (IFIP SEC 2020).**
- 2020 **International Workshop on Formal Requirements (FormReq 2020), co-located with Requirements Engineering Conference 2020.**
- 2019 **12th International Symposium on Foundations & Practice of Security (FPS'19).**
- 2019 **12th IEEE International Conference on Service-Oriented Computing and Applications (SOCA 2019).**
- 2019 **Second International Workshop on Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment (DEVOPS 2019).**
- 2019 **International Workshop on Formal Requirements (FormReq 2019), co-located with CPS-IoT Week 2019.**
- 2019 **International Workshop on Fog Computing and the Internet of Things (Fog-IoT 2019), co-located with CPS-IoT Week 2019.**
- 2019 **INFOCOM 2019 Workshop on Cryptocurrencies and Blockchains for Distributed Systems (Cry-Block 2019).**
- 2019 **34th IFIP TC-11 International Conference on Information Security and Privacy Protection (IFIP SEC 2019).**
- 2019 **International Conference on Edge Computing (EDGE 2019).**
- 2019 **TOOLS 50+1: Technology of Object-Oriented Languages and Systems.**
- 2019 **12th Ershov Informatics Conference (PSI'19).**
- 2018 **SOCA 2018: The 11th IEEE International Conference on Service Oriented Computing and Applications.**
- 2018 **TELERISE: 4th International Workshop on TEchnical and LEgal aspects of data pRivacy and SEcurity.**
- 2018 **MSE (Microservices: Science and Engineering) Workshop (MSE@STAF 2018).**
- 2018 **The 6th international Conference in Software Engineering for Defense Applications (SEDA 2018).**
- 2018 **First International Workshop on Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment (DEVOPS 2018).**
- 2017 **1st International Conference on Microservices (Microservices 2017).**
- 2017 **10th ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec 2017).**
- 2017 **11th International KES Conference on Agent and Multi-Agent Systems: Technologies and Applications (KES-AMSTA-17).**
- 2017 **11th Ershov Informatics Conference (PSI'17).**
- 2016 **IEEE International Conference on Service-Oriented Computing and Applications (SOCA 2016).**
- 2016 **9th International Symposium on Foundations & Practice of Security (FPS'16).**
- 2016 **21st Nordic Conference on Secure IT Systems (NordSec'16).**
- 2016 **Anthropic-Oriented Computing (AOC'16), Special session of KES-AMSTA-16.**
- 2015 **10th International Workshop on Data Privacy Management (DPM'15), Co-located with ES-ORICS'15.**
- 2015 **8th International Symposium on Foundations & Practice of Security (FPS'15).**
- 2015 **Anthropic-Oriented Computing (AOC'15), Session at KES International Conference on Agent and Multi-Agent Systems: Technologies and Applications (KES-AMSTA-15).**
- 2015 **10th Ershov Informatics Conference.**
- 2014 **7th International Symposium on Foundations & Practice of Security (FPS'14).**
- 2014 **9th International Workshop on Data Privacy Management (DPM'14), Co-located with ES-ORICS'14.**
- 2014 **Active Security Through Multi-Agent Systems (WASMAS'14), Co-located with PAAMS'14.**
- 2014 **Service Oriented Architectures and Programming (SOAP'14), Track at ACM Symposium on Applied Computing (SAC'14).**
- 2013 **6th International Symposium on Foundations & Practice of Security (FPS'13).**

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- 2013 **6th International Conference on Dependability (DEPEND'13).**
- 2013 **8th International Workshop on Data Privacy Management (DPM'13),** Co-located with ES-ORICS'13.
- 2013 **Nordic Conference on Secure IT Systems (NordSec'13).**
- 2013 **Service Oriented Architectures and Programming (SOAP'13),** Track at ACM Symposium on Applied Computing (SAC'13).
- 2012 **5th International Symposium on Foundations & Practice of Security (FPS'12).**
- 2012 **5th International Conference on Dependability (DEPEND'12).**
- 2012 **IEEE International Symposium on Policies for Distributed Systems & Networks (POLICY'12).**
  
- 2012 **6th IFIP WG 11.11 International Conference on Trust Management (IFIPTM'12).**
- 2012 **Service Oriented Architectures and Programming (SOAP'12),** Track at ACM Symposium on Applied Computing (SAC'12).
- 2011 **4th International Conference on Dependability (DEPEND'11).**
- 2011 **1st International Workshop on TRUstworthy Service-Oriented Computing (INTRUSO'11).**
- 2011 **5th IFIP WG 11.11 International Conference on Trust Management (IFIPTM'11).**
- 2011 **Service Oriented Architectures and Programming (SOAP'11),** Track at ACM Symposium on Applied Computing (SAC'11).
- 2010 **International Workshop on Web Services and Formal Methods (WS-FM 2010),** co-located with BPM 2010.
- 2010 **International Workshop on Trust-mining and Trust Models for User Activity Logs (TrustMine 2010),** co-located with IFIPTM 2010.
- 2010 **International Workshop on Service-Oriented Computing and Engineering,** co-located with SEKE 2010.
- 2010 **Workshop on Security and Privacy in Cloud Computing (SPCC 2010),** co-located with CPDP 2010.
- 2010 **Service Oriented Architectures and Programming (SOAP'10),** Track at ACM Symposium on Applied Computing (SAC'10).
- 2009 **International Conference on Security and Cryptography (SECRYPT'09).**

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## Visiting Research Grants and Scholarships

### Visiting Research Grants

- 2006 **PhD research grant for visiting the MIT Center for Collective Intelligence (CCI),** Massachusetts Institute of Technology (MIT), Boston, USA.  
Funded by the Marco Polo PhD program, University of Bologna, ITALY.
- 2002 **Undergraduate research grant for visiting the Department of Computer Science at Aalborg University, Denmark.**  
Funded by the Faculty of Mathematical, Physical and Natural Sciences, University of Bologna, ITALY.

### Scholarships

- 2003 **EEF Global Computing Summer School,** Edinburgh, Scotland.  
Funded by the European Union's IHP program.
- EEF Foundations Summer School on Concurrency,** Heeze, The Netherlands.  
Funded by the European Union's IHP program.

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## Attended International Schools and Courses

- 07/04 **The Second European Summer School on Ontological Engineering and the Semantic Web (SSSW-2004),** Cercedilla, Spain.
- 11/03 **Formal Molecular Biology,** Vincent Danos (Universite' de Paris VII), Department of Computer Science, University of Bologna, Italy.
- 07/03 **EEF Global Computing Summer School,** Edinburgh, Scotland.
- 05/03 **EEF Foundations Summer School on Concurrency,** Heeze, The Netherlands.

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**Formal Methods for Security**, Roberto Gorrieri (University of Bologna), Department of Computer Science, University of Bologna, Italy.

07/02 **4th European Agent Systems Summer School (EASSS 2002)**, University of Bologna, Italy.

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## PhD Thesis Review

Prof. Peter Mc Burney, Department of Informatics, King's College London: "This thesis is an original and significant contribution to knowledge in the area of agent communications languages, an important area of computer science, and it shows strong evidence of both creativity and intellectual rigour. Some of the new material presented has already been published in refereed forums, which again indicates the significance and originality of the work. The thesis engages in dialogue with the relevant prior literature and it fully exhibits contemporary professional standards of scholarship and presentation. The thesis is well-structured, well-written and clearly expressed. The thesis is definitely of PhD standard, and it is among the best I have read."

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## Academic Teaching, Supervision and Organization

### Teaching Award

06/2013 **Nomination for "Best Teacher of the Year"**, Denmark Technical University (DTU), Denmark.

### Teaching Qualifications

- 11/2009 **Education in University Teaching at DTU (UDTU) - Module 3 "Feedback & Evaluation"**, Denmark Technical University (DTU), Denmark.  
Main topics: tests and evaluation; peer coaching; teaching portfolio
- 09/2009 **Education in University Teaching at DTU (UDTU) - Module 2 "Teaching Methods & Planning"**, Denmark Technical University (DTU), Denmark.  
Main topics: quality of learning objectives and how they lead to the development of engineering competences; core elements of a course; course planning (including activities and evaluation methods leading to the achievement of the learning objectives)  
▪ Teaching and examination planning (focusing on student learning)
- 04/2009 **Education in University Teaching at DTU (UDTU) - Module 1 "Teaching and Learning"**, Denmark Technical University (DTU), Denmark.  
Main topics: basic aspects of learning; principles of good teaching; learning objectives; techniques for getting feed-back from students; different teaching method and student activation; teaching exercises with feedback

### Teaching Experience: Active Courses

- Since 2021 **Foundations of Distributed Systems**, *Course Responsible*.  
MSc course 02221, DTU, Denmark.
- Since 2009 **Current Topics in System Security**, *Course Responsible*.  
MSc course 02234, DTU, Denmark.

### Teaching Experience: Past Courses

- 2012 - 2020 **Distributed Systems**, *Course Responsible*.  
MSc course 02220 (formerly, 02221 and 02222), DTU, Denmark.
- 2017 - 2019 **Network Security**, *Course Responsible*.  
MSc course 02233, DTU, Denmark.
- 2015 - 2018 **IT Security (Health and IT)**, *Course Responsible*.  
BSc course 02190, DTU, Denmark.
- 2017 **Bitcoin and Cryptocurrency Technologies**, *Course Responsible*.  
Innopolis University, Russia.
- 2010 - 2011 **Principles of Distributed Systems**, *Course Responsible*.  
IMM course 02221, DTU, Denmark.
- Distributed Systems**, *Course Responsible*.  
IMM course 02222, DTU, Denmark.
- 2008 - 2009 **Computer Science Fundamentals**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.

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- EUCIP Lecture**, <http://www.eucip.com/>.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.
- 2007 - 2008 **Python Programming (and GUI)**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**Laboratory of Python Programming (and GUI)**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.
- 2007 **Computational Complexity**, *Assistant Lecturer*.  
Undergraduate program in Computer Science, University of Trento, Italy.
- 2006 - 2007 **Relational Databases and SQL Programming**, *Assistant Lecturer*.  
Undergraduate program in Molecular and Industrial Biotechnologies, University of Bologna, Italy.  
**Artificial Intelligence**, *Examiner*.  
Undergraduate program in "Computer Science", University of Bologna, Italy.
- 2005 - 2006 **Methods and software tools for economic and financial decisions**, *Assistant Lecturer*.  
Undergraduate program in "Economy", University of Bologna, Italy.  
**Java Fundamentals and Network Programming**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**Laboratory of Java Fundamentals and Network Programming**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**Artificial Intelligence**, *Examiner*.  
Undergraduate program in "Computer Science", University of Bologna, Italy.
- 2003 - 2005 **Java Fundamentals and Network Programming**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**Laboratory of Java Fundamentals and Network Programming**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**XML, Markup Languages and Style Sheets**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**Laboratory of XML, Markup Languages and Style Sheets**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**Artificial Intelligence**, *Examiner*.  
Undergraduate program in "Computer Science", University of Bologna, Italy.
- 2002 - 2003 **Java Fundamentals and Network Programming**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.  
**Laboratory of Java Fundamentals and Network Programming**, *Assistant Lecturer*.  
Undergraduate program in "Internet Economics", University of Bologna, Italy.

### Supervision of BSc and MSc Thesis Projects

- 2023 **Nicolò Sponziello**, *Remote Attestation for Intermittent Devices*, MSc Project, DTU Compute, Denmark.
- 2023 **Bryndis Rosa Sigurpalsdottir**, *A Machine Learning for Detecting Cyber Threats in Network Traffic Logs*, MSc Project, DTU Compute, Denmark.
- 2023 **Moustafa Mariam**, *Analysis and Implementation of Attestation Formats*, MSc Project, DTU Compute, Denmark, ERASMUS+ student.
- 2023 **Mustafa Mohammad Hussein Salman Al-Dailemi**, *Electronic Voting – Requirements, Challenges, Open Issues and Solutions*, MSc Project, DTU Compute, Denmark.
- 2023 **Anders Ellekilde-Pedersen, Rasmus Porse Bjørneskov**, *Approaches to Cyber Security Challenges in Maritime Operational Technology*, Industrial MSc Project, DTU Compute, Denmark.
- 2022 **Beatrice Spiga**, *Automatization of Attack Trees*, MSc Project, DTU Compute, Denmark, ERASMUS+ student.
- 2022 **Georg Cornelius Lorentzen Thomassen**, *Generating Secure Smart Contract Code from Process Diagrams*, MSc Project, DTU Compute, Denmark.
- 2022 **Dumitru Muntean**, *Analysis of Production Deviations in Pharmaceutical Industry Using Natural Language Processing*, MSc Project, DTU Compute, Denmark.
- 2022 **Morten Jørvad**, *GDSRT - Game Development Security Response Toolkit*, MSc Project, DTU Compute, Denmark.
- 2022 **Patrikas Balsys**, *Automated Classification of Data from Websites*, MSc Project, DTU Compute, Denmark.

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- 2022 **Paul Cseidi**, *Awareness and Prevention of Fraudulent Digital Assets on Decentralized Exchanges*, MSc Project, DTU Compute, Denmark.
- 2022 **Christos Grigoriou**, *Distributed Remote Attestation Protocol through Smart Contracts Technology*, MSc Project, DTU Compute, Denmark.
- 2022 **Robin Troesch**, *Building a Common Framework for Efficient Remote Attestation Deployment in IoT Networks*, MSc Project, DTU Compute, Denmark.
- 2022 **Mariya Smilenova Tacheva**, *Remote Attestation in Intermittent IoT Devices*, MSc Project, DTU Compute, Denmark.
- 2022 **Swetha Latha Meeranath**, *Fingerprinting Schemes against Post Quantum Cryptography IPsec/IKEv2 Encryption Appliance*, MSc Project, DTU Compute, Denmark.
- 2022 **Sofia Bogdanova**, *Test Automation Pyramid in Practice*, MSc Project, DTU Compute, Denmark.
- 2022 **Claudiu-Bogdan Ciumedean**, *Automatic Migration of Monolithic Software Applications to Microservices using a Model-Driven Approach*, MSc Project, DTU Compute, Denmark.
- 2022 **Rafi Kurnia Putra**, *Cloud-Based Distributed Internet Measurement Platform*, MSc Project, DTU Compute, Denmark.
- 2022 **Claudiu-Adrian Mihali**, *Performance Analysis and Optimization of Encryption as a Service in Kubernetes*, MSc Project, DTU Compute, Denmark.
- 2022 **Ayoub Chouak**, *Remote Attestation Mechanisms for WebAssembly Enclaves in Widely-Distributed Systems*, MSc Project, DTU Compute, Denmark.
- 2022 **Simon Nam Thanh Vu and Ziru Li**, *Improving Cybersecurity in Health Technology Design*, MSc Project, DTU Compute, Denmark.
- 2021 **Sebastian Posselt**, *Remote Attestation of Distributed Services without Centralized Verification*, MSc Project, DTU Compute, Denmark.
- 2021 **Kamaal Jawed Khan**, *Creating a Boardgame to Increase People's Awareness of Online Privacy Issues*, MSc Project, DTU Management Engineering, Denmark.
- 2021 **Mathies Svarrer-Lanthén**, *Current State of Vulnerable Software in Different Embedded System Vendors Firmware*, MSc Project, DTU Compute, Denmark.
- 2021 **Andrei Sabau**, *Scalable Remote Attestation for IoT Swarms*, MSc Project, DTU Compute, Denmark.
- 2021 **Ágúst Benóný Helgason**, *Methodological Security Testing of IoT Devices*, MSc Project, DTU Compute, Denmark.
- 2021 **Sigurd Frej Joel Jørgensen Ankergård**, *Blockchain in Remote Self Attestation for Making Trust Decisions in IoT Peer-to-Peer Networks*, MSc Project, DTU Compute, Denmark.
- 2021 **Jessika Pecl**, *A Practical Study on Online Tracking Using TLS Session Resumption*, MSc Project, DTU Compute, Denmark.
- 2021 **Ragnar Mikael Halldórsson**, *Control-Flow Attestation of Asynchronous Distributed IoT Services*, MSc Project, DTU Compute, Denmark.
- 2021 **Eleonora Micozzi**, *Guarantees of Differential Privacy in Overparametrised Models*, MSc Project, DTU Compute, Denmark.
- 2021 **Oleksandr Subtselnyi**, *Cyber Security, Threat Models and Risks Analysis for Medication Inventory System Providing Data Protection*, MSc Project, DTU Compute, Denmark.
- 2020 **Zigria Osmani**, *Cyber Security Solutions for Enterprises*, MSc Project, DTU Compute, Denmark.
- 2020 **Alexandros Spyropoulos**, *Investigate and Formalize DeFi Archetypal Smart Contracts and Discuss Common Vulnerabilities*, MSc Project, DTU Compute, Denmark.
- 2020 **Jeppe H. Østergaard**, *Memory Offloading for Remote Attestation on IoT Devices*, MSc Project, DTU Compute, Denmark.
- 2020 **Alex Incerti**, *Anomaly Detection in a DevOps Toolchain: a Microservices Case Study*, MSc Project, DTU Compute, Denmark.
- 2020 **Rustam Ali Hussaini**, *A Cloud-Based Management Solution for Non-Profit Organizations*, MSc Project, DTU Compute, Denmark.
- 2020 **Eleonora Girardini**, *Algorithms for the Study and Analysis of Human Mobility from Mobile Phone Location Data*, MSc Project, DTU Compute, Denmark.
- 2020 **Jakob Vestergaard Offersen, August Boye Heegaard**, *Designing a Peer-to-Peer Scaleable Low Latency Chat App*, BSc Project, DTU Compute, Denmark.

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- 2020 **Jakob Laursen Vork**, *SxC Contract Generation at Compile-Time by means of API Wrappers*, MSc Project, DTU Compute, Denmark.
- 2020 **Satapon Phutrakul**, *Evaluation of Emerging Serverless Platforms*, MSc Project, DTU Compute, Denmark.
- 2019 **Johan Hagelskjær Sjørnsen, William Mendis**, *Refundable Non-Fungible Tokens in a Decentralized Application*, IT Diplom Project, DTU Compute, Denmark.
- 2019 **Péter Gönczöl**, *Analysis and Application of Blockchain Technology to the Food Industry*, MSc Project, DTU Compute, Denmark.
- 2019 **Emilia Wodzka**, *Generating Semantic Information from Video Surveillance for Behaviour Analysis*, MSc Project, DTU Compute, Denmark.
- 2019 **Christian Skovlund Brockhoff, Mette Grønbech**, *Security in Microservices*, MSc Project, DTU Compute, Denmark.
- 2019 **Jonas Bülow Knudsen**, *Security Analysis of Active Directory*, MSc Project, DTU Compute, Denmark.
- 2019 **Andreas Stensig Jensen**, *A Decentralized Peer-Based Password Manager*, MSc Project, DTU Compute, Denmark.
- 2019 **Nichlas Max Bjørndal**, *Migration from Monolith to Microservices - Benchmarking a Case Study*, MSc Project, DTU Compute, Denmark.
- 2019 **Lasse Herskind**, *Horizon - Anonymous and Confidential Transactions without a Trusted Third Party*, MSc Project, DTU Compute, Denmark.
- 2019 **Sigurd Frej Joel Jørgensen Ankergård**, *Deploying IoT Devices in a Secure and Flexible Way*, BSc Project, DTU Compute, Denmark.
- 2019 **Leo Gigandon**, *Integrating AntibloTic with Security-by-Contract to Protect the Internet of Things*, MSc Project, DTU Compute, Denmark.
- 2019 **Oskars Matiss**, *Secure and Practical Restaurant Menu Card IoT System Using Electronic Paper Technology*, MSc Project, DTU Compute, Denmark.
- 2019 **Hakan Yurdakul Pedersen**, *A New Approach to Rootkit Detection*, MSc Project, DTU Compute, Denmark.
- 2019 **Mathias Dahl Thomsen**, *Device-Based Access Control (DBAC)*, MSc Project, DTU Compute, Denmark.
- 2019 **Frederik Haaning**, *Implementation of Encryption-Resistant "MitM" Attack*, MSc Project, DTU Compute, Denmark.
- 2019 **Aleksandrs Levi**, *Securing Communications within AntibloTic: a Solution for Protecting IoT Devices*, MSc Project, DTU Compute, Denmark.
- 2018 **Philip Nygaard Brygge, Mads Rosenberg**, *Digitalisation of Payments with the Use of Financial Stable Cryptocurrency*, BSc Project, DTU Compute, Denmark.
- 2018 **Patrick Kjaer Holse**, *Using Software Defined Network to Enforce Internet Access Policies During Exams*, BSc Project, DTU Compute, Denmark.
- 2018 **Magnus Jensen**, *Using Blockchain to Enforce Supply Chain Traceability in the Palm Oil Industry*, BSc Project, DTU Compute, Denmark.
- 2018 **Ali El-Akbar Mohammad Hussein**, *Security Metrics and Automation to Fulfill IT Systems Security Requirements*, MSc Project, DTU Compute, Denmark.
- 2018 **Margherita Favaretto**, *Açai: a Backup Protocol for Lightning Network-Wallets*, MSc Project, DTU Compute, Denmark.
- 2018 **Kasper Lund Blaabjerg**, *Modern Phishing with Natural Language Generation*, MSc Project, DTU Compute, Denmark.
- 2018 **Martin Hemmingsen**, *Developing a RESTful Service for a Resource Planning Software*, BSc Project, DTU Compute, Denmark.
- 2018 **Koen Pieter Tange**, *High Speed Consensus with Trusted Execution Environments*, MSc Project, DTU Compute, Denmark.
- 2018 **Juan Manuel Donaire Felipe**, *Using Fog Computing to Secure the IoT*, MSc Project, DTU Compute, Denmark.
- 2018 **Mathies Svarrer-Lanthén**, *Bot Module for AntibloTic*, BSc Project, DTU Compute, Denmark.
- 2018 **Jakob Skriver**, *Elastic Scheduling and Runtime Adaptation in Microservices, Based on a Web Crawler Case Study*, MSc Project, DTU Compute, Denmark.

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- 2018 **Emanuela-Elena Avasalcai**, *Blockchain in Pervasive Healthcare*, MSc Project, DTU Compute, Denmark.
- 2018 **Lasse Herskind**, *BitFlow - A Blockchain Solution Making Real-Time Cash-Flow Evaluations a Reality*, BSc Project, DTU Compute, Denmark.
- 2018 **Galin Valentinov Kostov**, *Fault-Tolerance of the Blockchain as a Distributed Database in a Commercial Context*, MSc Project, DTU Compute, Denmark.
- 2018 **Didrik Emil Aubert**, *Internet of Things in a Military Context*, MSc Project, DTU Compute, Denmark.
- 2018 **Marcus Vinther Tanghøj**, *An Investigation of Security Aspects in Fog Computing*, MSc Project, DTU Compute, Denmark.
- 2018 **Mohamed Elmi**, *Data Warehousing for Water Streams*, MSc Project, DTU Compute, Denmark.
- 2018 **Reza Jafari**, *SkypeCare*, MSc Project, DTU Compute, Denmark.
- 2017 **Michele De Donno**, *Analysis of DDoS Attacks with Focus on IoT devices*, MSc Project, DTU Compute, Denmark.
- 2017 **Piergiacomo de Marchi**, *Gateway Architectures for Interaction between the Current Internet and Future Internet Architectures*, MSc Project in collaboration with ETH Zurich, DTU Compute, Denmark.
- 2017 **Bartiomiej Gasior**, *Moving Microsoft Dynamics NAV from Monolith to Microservices*, MSc Project in collaboration with Microsoft Denmark, DTU Compute, Denmark.
- 2017 **Casper Tollund**, *Security Analysis of IoT Devices: the Ransomware Attack*, MSc Project, DTU Compute, Denmark.
- 2017 **Olga Minakova**, *Security in Microservices*, BSc Project, Innopolis University, Russia.
- 2017 **Morteza Moghimy**, *Polymorphous Geolocation Authentication Protocol (PGAP)*, MSc Project, DTU Compute, Denmark.
- 2017 **Stephan Thordal Larsen**, *Scaling in Microservice Architectures*, MSc Project, DTU Compute, Denmark.
- 2016 **Lyubomir Yordanov Ivanov**, *Application Level Defense Mechanism Against Denial of Service Attacks on Cloud-Based Services*, MSc Project, DTU Compute, Denmark.
- 2016 **Alexander Houmann Aalykke**, *Efficient Plagiarism Detection for Large Document Collections*, MSc Project, DTU Compute, Denmark.
- 2016 **Dimitrios Danampasis**, *Citizen Health Record (CHR): Design of a Secure Distributed e-Health Infrastructure*, MSc Project, DTU Compute, Denmark.
- 2016 **Azfar Akhtar Bassir**, *Save the Cloud - Synchronisation of Devices for Reliable Cloud-based Applications*, MSc Project, DTU Compute, Denmark.
- 2016 **Rohit Goyal**, *Android Malware Detection Using Static and Dynamic Analysis Techniques*, MSc Project (NordSecMob Programme), DTU Compute, Denmark.
- 2016 **Monica Ahuja**, *Development of a Certification Model for Internet of Things Devices*, MSc Project (NordSecMob Programme), DTU Compute, Denmark.
- 2016 **Daniel Schougaard**, *Personal Password Manager in the Private Cloud*, MSc Project, DTU Compute, Denmark.
- 2016 **Anders Emil Nielsen**, *Design and Implementation of an Efficient and Fault-tolerant Caching System*, MSc Project, DTU Compute, Denmark.
- 2016 **Joakim Hornstrup**, *Analysis and Design of an IT Infrastructure for Mobile Sensors*, MSc Project, DTU Compute, Denmark.
- 2016 **Ville-Veikko Hänninen**, *Identity and Access Management in a Hybrid Environment at E-conomic A/S*, MSc Project, DTU Compute, Denmark.
- 2015 **Johan van Beusekom**, *Representing Genomic Variation in Reference Graphs*, MSc Project, DTU Compute, Denmark.
- 2015 **Bartłomiej Krzysztof Gebiski**, *Modeling in Distributed Collaboration Software Systems*, MSc Project, DTU Compute, Denmark.
- 2015 **Bartosz Grzegorz Cichecki**, *Decoupling Computing Windows in a Mobile Environment*, MSc Project, DTU Compute, Denmark.
- 2015 **Andreas Kjeldsen**, *Synthesis of Web APIs*, MSc Project, DTU Compute, Denmark.
- 2015 **Keahi Paul Cooper**, *Security for the Internet of Things*, MSc Project (NordSecMob Programme), DTU Compute, Denmark.

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- 2015 **Viktor Lesyk**, *A Survey of Man in the Middle Attacks*, MSc Project, DTU Compute, Denmark.
- 2015 **Domonkos A. Kiss**, *Designing the Brunata Smart Metering Network Architecture*, MSc Project, DTU Compute, Denmark.
- 2014 **Marc Patrick Otto**, *Towards Human Trust in Self-Adaptive Systems*, MSc Project, DTU Compute, Denmark.
- 2014 **Hans-Jacob Sørensen Enemark**, *An Energy Efficient Fault Diagnosis Approach for WSNs*, MSc Project, DTU Compute, Denmark.
- 2014 **Charalampos Orfanidis**, *Analysis of Energy Efficient Fault Diagnosis Techniques in WSNs*, MSc Project, DTU Compute, Denmark.
- 2014 **Anusha Sivakumar**, *Enhancing Privacy Of Data Through Anonymization*, MSc Project (NordSecMob Programme), DTU Compute, Denmark and KTH, Sweden.
- 2014 **Peter Gammelgaard Poulsen**, *Methods for Architecting Software*, MSc Project (NordSecMob Programme), DTU Compute, Denmark and Norwegian University of Science and Technology, Norway.
- 2014 **Fusheng Jiang**, *A Personalized Location Privacy Protection for iPhone Users*, MSc Project, DTU Compute, Denmark.
- 2013 **Phan Thi Anh Mai**, *Cloud Database for Internet-of-Things Data*, MSc Project (NordSecMob Programme), DTU Compute, Denmark and Aalto University, Finland.
- 2013 **Sebastiano Gottardo**, *MITM SSL Attack on Android: a Proxy-Based Solution*, MSc Project, DTU Compute, Denmark, in collaboration with University of Padova, Italy.
- 2013 **Julie Meinicke Nielsen**, *Type Primitives for Web Services*, MSc Project, DTU Compute, Denmark.
- 2013 **Negin Ostadabassi**, *Routing in Energy-Harvesting Wireless Sensor Networks*, MSc Project, DTU Compute, Denmark.
- 2013 **Christen Christensen**, *Social Media Volunteering Application*, MSc Project, DTU Informatics, Denmark.
- 2012 **Kanchan Bhanudasrao Gadhe**, *Security in Energy-Harvesting Wireless Sensor Networks*, MSc Project, DTU Informatics, Denmark.
- 2012 **Martin Olsen**, *Mobile Application Development of the Erhvervsstyrelsen Frekvensregistret Service*, MSc Project, DTU Informatics, Denmark.
- 2012 **Madava Dilshan Vithanage**, *Implementation of Energy Harvesting in Automatic Metering Infrastructure*, MSc Project, DTU Informatics, Denmark.
- 2012 **Antoine Chamot**, *Implementation of a Social Network Application for Polidoxa*, MSc Project, DTU Informatics, Denmark.
- 2012 **Bo Visfeldt**, *Energy Aware Routing for Automatic Metering Infrastructure*, MSc Project, DTU Informatics, Denmark.
- 2012 **Joachim Knudsen**, *Declarative Specification of a Fault Tolerant Clock-Proxy Auction Protocol*, Bachelor Project, DTU Informatics, Denmark.
- 2011 **Nicola Miotto**, *Trustworthy Service-Oriented Computing*, MSc Project, DTU Informatics, Denmark.
- 2011 **Pawel Walkiewicz**, *Agents-Based Declarative Specification of Fault Tolerant Auction Protocols*, MSc Project, DTU Informatics, Denmark.
- 2010 **Mu Zhou**, *Formalisms for Dynamic Reconfiguration of Dependable Systems*, MSc Project, DTU Informatics, Denmark.
- 2010 **Eduardo Lostal**, *Securing Multi-Application Smart Cards by Security-by-Contract*, MSc Project, DTU Informatics, Denmark.
- 2010 **Ruben Romartinez**, *Supporting Applications' Evolution in Multi-Application Smart Cards by Security-by-Contract*, MSc Project, DTU Informatics, Denmark.
- 2010 **Andre' Reimert Munch**, *Security for the Android Mobile System*, Bachelor Project, DTU Informatics, Denmark.
- 2009 **Torur Strøm**, *Strong Naming of .NET Assemblies*, IT Diploma, DTU, Denmark.
- 2007 **Andrea Degli Esposti**, MSc in Computer Science, Department of Computer Science, University of Bologna, Italy.
- 2006 **Jacopo Saporetti**, MSc in Computer Science, Department of Computer Science, University of Bologna, Italy.

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A handwritten signature in black ink that reads "Nicola Dragoni". The signature is written in a cursive, flowing style.