

## **ALLEGATO B**

### **UNIVERSITÀ DEGLI STUDI DI MILANO**

selezione pubblica per n. 2 posto/i di Ricercatore a tempo determinato ai sensi dell'art.24, comma 3, lettera b) della Legge 240/2010 per il settore concorsuale 01/B1, settore scientifico-disciplinare INF/01 - Informatica presso il Dipartimento di Informatica "Giovanni degli Antoni" (avviso bando pubblicato sulla G.U. n. 17 del 01/03/2022) - Codice concorso 4957

## **Marco Savi** **CURRICULUM VITAE**

### **INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)**

COGNOME	SAVI
NOME	MARCO
DATA DI NASCITA	04/04/1988

## **TITOLI**

### **TITOLO DI STUDIO**

*(indicare la Laurea conseguita inserendo titolo, Ateneo, data di conseguimento, ecc.)*

<b>Master of Science (MSc) in Telecommunications Engineering (Networking Area)</b> <ul style="list-style-type: none"><li>• <i>Period:</i> October 2010 - December 2012</li><li>• <i>Graduation date:</i> 20/12/2012</li><li>• <i>University:</i> Politecnico di Milano, Milano, Italy</li><li>• <i>Grade Point:</i> 110/100 (summa cum laude)</li></ul>
<b>Bachelor of Science (BSc) in Telecommunications Engineering</b> <ul style="list-style-type: none"><li>• <i>Period:</i> September 2007 - July 2010</li><li>• <i>Graduation date:</i> 22/07/2010</li><li>• <i>University:</i> Politecnico di Milano, Milano, Italy</li><li>• <i>Grade Point:</i> 108/110</li></ul>

### **TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO**

*(inserire titolo, ente, data di conseguimento, ecc.)*

<b>Doctor of Philosophy (PhD) in Information Technology</b> <ul style="list-style-type: none"><li>• <i>Period:</i> January 2013 - June 2016</li><li>• <i>Graduation date:</i> 27/06/2016</li><li>• <i>University:</i> Politecnico di Milano, Milano, Italy<ul style="list-style-type: none"><li>◦ <i>Department:</i> Department of Electronics, Information and Bioengineering (DEIB)</li></ul></li><li>• <i>Dissertation title:</i> Overcoming Performance, Cost and Energy Issues in Fixed and Mobile Convergent Networks</li><li>• <i>Grade Point:</i> With merit</li></ul>
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## CONTRATTI DI RICERCA, ASSEGNI DI RICERCA O EQUIVALENTI

(per ciascun contratto stipulato, inserire università/ente, data di inizio e fine, ecc.)

### Contract as Fixed-Term Researcher (“Ricercatore a Tempo Determinato Tipo A”, RTD-A)

- *Date:* April 2020 - Now (contract expected to end in March 2023)
- *University:* University of Milano-Bicocca, Milano, Italy
  - *Department:* Department of Informatics, Systems and Communication (DISCo)
- *Contract type:* fixed-term with the University

### Contract as Fixed-Term Expert Researcher (“Ricercatore a Tempo Determinato Esperto”)

- *Date:* April 2018 - March 2020
- *Research institution:* Fondazione Bruno Kessler (FBK), Trento, Italy
  - *Research centers:* FBK-ICT (January 2020 - March 2020), FBK CREATE-NET (April 2018 - December 2019)
- *Contract type:* fixed-term with private research institution, partially funded by the Province of Trento

### Contract as Fixed-Term Researcher (“Ricercatore a Tempo Determinato”)

- *Date:* April 2016 - March 2018
- *Research institution:* Fondazione Bruno Kessler (FBK), Trento, Italy
  - *Research center:* FBK CREATE-NET
- *Contract type:* fixed-term with private research institution, partially funded by the Province of Trento

### Contract as Postdoc Researcher (“Assegnista di Ricerca”)

- *Date:* January 2016 - March 2016
- *University:* Politecnico di Milano, Milano, Italy
  - *Department:* Department of Electronics, Information e Bioengineering (DEIB)
- *Topic:* Architectures for broadband and ultra-broadband access networks
- *Contract type:* research grant (“assegno di ricerca”)

### Contract as Teacher (“Professore a Contratto”)

- *Dates:* February 2015 - June 2015
- *University:* University of Bergamo, Bergamo, Italy
- *Activities:* Teaching activities to BSc students

## ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO

(inserire anno accademico, ateneo, corso laurea, numero ore, ecc.)

### Teacher (~140 hours)

- **Telecommunication Systems and Services** (“Sistemi e Servizi di Telecomunicazione”, Graduate Course, 6 CFU)
  - *Academic Year and Hours:* 2021-2022 (50 hours)
  - *University:* University of Milano-Bicocca, Milano, Italy
  - *Degree course:* Computer Science
  - *Role:* Responsible of the course
- **From Wearable Expert Systems to Wearable Environments: Definitions, Models and Future Challenges** (PhD Course)
  - *Academic Year and Hours:* 2021-2022 (11 hours)
  - *University:* University of Milano-Bicocca, Milano, Italy
  - *Degree course:* PhD in Computer Science
- **Information Systems** (“Sistemi Informativi”, Graduate Course)
  - *Academic Years and Hours:* 2020-2021 (16 hours), 2021-2022 (16 hours)
  - *University:* University of Milano-Bicocca, Milano, Italy
  - *Degree course:* Computer Science, Data Science
- **Multimedia Internet Networks** (“Reti Internet Multimediali”, Undergraduate Course, 6 CFU)
  - *Academic Year and Hours:* 2014-2015 (48 hours)
  - *University:* University of Bergamo, Bergamo, Italy

- *Degree course:* Computer Engineering
- *Role:* Responsible of the course

#### **Teaching Assistant (~100 hours)**

- **Telecommunication Systems and Services** (“Sistemi e Servizi di Telecomunicazione”, Graduate Course)
  - *Academic Year and Hours:* 2020-2021 (10 hours)
  - *University:* University of Milano-Bicocca, Milano, Italy
  - *Degree course:* Computer Science
- **Databases** (“Basi di Dati”, Undergraduate Course)
  - *Academic Years and Hours:* 2019-2020 (20 hours), 2020-2021 (20 hours)
  - *University:* University of Milano-Bicocca, Milano, Italy
  - *Degree course:* Computer Science
- **Multimedia Internet Networks** (“Reti Internet Multimediali”, Undergraduate Course)
  - *Academic Year and Hours:* 2016-2017 (16 hours)
  - *University:* University of Bergamo, Bergamo, Italy
  - *Degree course:* Computer Engineering
- **Telecommunication Networks** (“Fondamenti di Reti e Telecomunicazioni”, Undergraduate Course)
  - *Academic Year and Hours:* 2013-2014 (24 hours)
  - *University:* University of Bergamo, Bergamo, Italy
  - *Degree course:* Computer Engineering
- **Networking Software Platforms** (“Piattaforme Software per la Rete”, Undergraduate Course)
  - *Academic Years and Hours:* 2012-2013 (6 hours), 2013-2014 (6 hours)
  - *University:* Politecnico di Milano, Milano, Italy
  - *Degree course:* Telecommunications Engineering

#### **Lab Assistant (~20 hours)**

- **Telecommunication Networks and Internet** (“Reti di Comunicazione e Internet”, Undergraduate Course)
  - *Academic Year:* 2013-2014 (20 hours)
  - *University:* Politecnico di Milano, Milano, Italy

#### **Additional Roles and Duties**

- **Reference Professor for the MSc in Computer Science**
  - *Date:* October 2021 - Now
  - *University:* University of Milano-Bicocca, Milano, Italy

### **DOCUMENTATA ATTIVITÀ DI FORMAZIONE O DI RICERCA PRESSO QUALIFICATI ISTITUTI ITALIANI O STRANIERI;**

*(inserire anno accademico, ente, corso, periodo, ecc.)*

#### **Researcher (RTD-A)**

- *Date:* April 2020 - Now
- *University:* University of Milano-Bicocca, Milano, Italy
  - *Department:* Department of Informatics, Systems and Communication (DISCo)
- *Duties:* Research on computer networking and cloud computing, preparation and editing of research project proposals, teaching to BSc, MSc and PhD students

#### **Expert Researcher**

- *Date:* April 2018 - March 2020
- *Research institution:* Fondazione Bruno Kessler (FBK), Trento, Italy
  - *Research centers:* FBK-ICT (January 2020 - March 2020), FBK CREATE-NET (April 2018 - December 2019)
- *Duties:* Research on computer networking and cloud computing, preparation and editing of research project proposals (generation of around 700.000€ in competitive funding by the European Commission), participation and coordination of research activities related to research projects (H2020 DECENTER, H2020 GN4-3, 5G Experimentation in the city of Prato)

#### Visiting Researcher

- *Date:* November 2018 (2 weeks)
- *University:* University of Alcalá, Alcalá, Spain
  - *Department:* Department of Automatics
  - *Host research group:* GIST-NetServ
    - *Research group head:* Prof. Juan Antonio Carral
- *Activities:* Starting a new research collaboration on topics related to Software-Define Networking; the visiting period has been fully-funded by University of Alcalá

#### Researcher

- *Date:* April 2016 - March 2018
- *Research institution:* Fondazione Bruno Kessler (FBK), Trento, Italy
  - *Research center:* FBK CREATE-NET
- *Duties:* Research on computer networking and cloud computing, participation to research projects (H2020 ACINO)

#### Postdoc Researcher

- *Date:* January 2016 - March 2016
- *University:* Politecnico di Milano, Milano, Italy
  - *Department:* Department of Electronics, Information e Bioengineering (DEIB)
- *Duties:* Research on computer networking

#### Teacher ("Professore a Contratto")

- *Dates:* February 2015 - June 2015
- *University:* University of Bergamo, Bergamo, Italy
- *Duties:* Teaching activities to BSc students

#### Visiting Researcher

- *Date:* August 2014 - February 2015 (6 months)
- *University:* University of Melbourne, Melbourne, Australia
  - *Department:* Department of Electrical and Electronic Engineering
  - *Host research center:* Centre for Energy-Efficient Telecommunication (CEET)
    - *Research center director:* Dr. Kerry Hinton
- *Activities:* Research on energy efficiency in access/aggregation networks

#### DOCUMENTATA ATTIVITÀ IN CAMPO CLINICO

(indicare, data, durata, ruolo, ente presso il quale si è prestata attività assistenziale, ecc.)

Not relevant.

#### REALIZZAZIONE DI ATTIVITÀ PROGETTUALE

(indicare, data, progetto, ecc.)

##### Responsibilities in Projects

- **European/Korean H2020/IITP DECENTER** (Decentralized Technologies for Orchestrated Cloud-to-Edge Intelligence), 2018-2020 (with FBK)
  - *Role:* Work Package 3 Leader and EU Deputy Project Coordinator
  - *Deliverables:* Editor of D3.1 (technical) and of D7.1-8 (ethics requirements), author of D2.1, D3.2 (technical) and D1.2, D1.3 (management)
- **GÉANT GN4-3 WP6T1, 2019-2020 (with FBK/GARR)**
  - *Role:* Responsible and coordinator of FBK's research activities
  - *Deliverables:* Author of D6.3, D6.5 (technical)
- **5G Experimentation in the city of Prato, 2018-2020 (with FBK)**
  - *Role:* Responsible and coordinator of FBK's activities on Software-Defined Networking aspects
  - *Reporting:* Writing of the required documentation

### Participation in Projects

- **European H2020 ACINO** (Application-Centric IP/optical Network Orchestration), 2016-2018 (with FBK)
  - *Role*: Research on resource allocation
  - *Deliverables*: Author of D2.2, D3.3, D3.4, D3.5 (technical), of D1.9 (management) and of D6.5 (dissemination)
- **European FP7 COMBO** (Convergence of Fixed and Mobile Broadband Access/aggregation Networks), 2013-2016 (with Politecnico di Milano)
  - *Role*: Research on content caching aspects
  - *Deliverables*: D3.1, D4.1 (technical)
- **Feasibility study of Vectoring DSL multi-DSLAM and G.Fast** (funded by an Italian telecommunication operator), 2013 (with Politecnico di Milano)
  - *Role*: Model definition and implementation
  - *Reporting*: Contribution to the required documentation

### ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI, O PARTECIPAZIONE AGLI STESSI

(per ciascuna voce inserire anno, ruolo, gruppo di ricerca, ecc.)

### Participation to Research Groups

- **Member and Deputy Head of Real-Time Events and Decision Support (REDS) Lab**
  - *Date*: April 2020 - Now
  - *University*: University of Milano-Bicocca, Milano, Italy
  - *Department*: Department of Informatics, Systems and Communication (DISCo)
  - *Lab head*: Dr. Fabio Sartori
  - *Role*: Fixed-Term Researcher and Deputy Head - Supervision of BSc, MSc and PhD students
- **Member of Robust and Secure Distributed Computing (RiSING) Research Unit**
  - *Date*: April 2018 - March 2020
  - *Research institution*: Fondazione Bruno Kessler (FBK), Trento, Italy
  - *Research centers*: FBK-ICT (January 2020 - March 2020), FBK CREATE-NET (April 2018 - December 2019)
  - *Research unit head*: Dr. Domenico Siracusa
  - *Role*: Expert Researcher - Supervision of BSc and MSc students, partial supervision of PhD students
- **Member of Future Networks (FuN) Research Group**
  - *Date*: March 2016 - March 2018
  - *Research institution*: Fondazione Bruno Kessler (FBK), Trento, Italy
  - *Research center*: FBK CREATE-NET
  - *Research unit heads*: Dr. Domenico Siracusa and Dr. Roberto Riggio
  - *Role*: Researcher - Supervision of BSc and MSc students
- **Member of Broadband Optical Networks, Security and Advanced Internet (BONSAI) Lab**
  - *Date*: January 2013 - June 2016
  - *University*: Politecnico di Milano, Milano, Italy
  - *Department*: Department of Electronics, Information e Bioengineering (DEIB)
  - *Lab head*: Prof. Achille Pattavina
  - *Role*: PhD Student

### Participation to Collaborative National and International Research Groups

- **University of Catania (Italy)**
  - *Date*: 2022-now
  - *Topic*: Edge Computing with Flying Ad-Hoc Networks (FANETs)
  - *Collaborators*: Giovanni Schembra, Laura Galluccio
  - *Outcomes*: 1 joint publication under review
- **University of Bologna (Italy)**
  - *Date*: 2022-now
  - *Topic*: Programmable data planes and data/control plane interaction
  - *Collaborators*: Franco Callegati, Marco Prandini

- **Fondazione Bruno Kessler (Italy)**
  - *Date:* 2020-now
  - *Topics:* programmable data planes and fog computing
  - *Collaborators:* Domenico Siracusa, Francescomaria Faticanti, Roberto Doriguzzi Corin
  - *Outcomes:* 3 joint publications (+1 under review)
- **Politecnico di Milano (Italy)**
  - *Date:* 2016-now
  - *Topics:* various topics related to Software-Defined Networking and Network Function Virtualization
  - *Collaborators:* Achille Pattavina, Massimo Tornatore, Guido Maier, Giacomo Verticale, Francesco Musumeci, Sebastian Troia
  - *Outcomes:* 3 joint publications (+1 under review)
- **University of Avignon (France)**
  - *Date:* 2020-now
  - *Topic:* resource allocation in fog computing
  - *Collaborator:* Francesco de Pellegrini
  - *Outcomes:* 1 joint publication (+1 under review)
- **University of Ljubljana (Slovenia)**
  - *Date:* 2020-2021
  - *Topics:* Service Level Agreements in fog computing
  - *Collaborators:* Vlado Stankovski, Peter Kochovski
  - *Outcomes:* 2 joint publications
- **University of Alcalá (Spain)**
  - *Date:* 2018-2021
  - *Topic:* hybrid Software-Defined Networking
  - *Collaborators:* Juan Antonio Carral, Elisa Rojas Sanchez, Isaias Martinez Yelmo, Joaquin Alvarez Horcajo, Diego Lopez Parajes
  - *Outcomes:* 2 joint publications
- **Queen's University Belfast (United Kingdom)**
  - *Date:* 2019-2020
  - *Topic:* security in Network Function Virtualization
  - *Collaborator:* Sandra Scott-Hayward
  - *Outcomes:* 1 joint publication
- **Korea Electronics Technology Institute (Republic of Korea)**
  - *Date:* 2019-2020
  - *Topic:* resource sharing in fog computing
  - *Collaborator:* Seungwoo Kum
  - *Outcomes:* 2 joint publications
- **Queen Mary University of London (United Kingdom)**
  - *Date:* 2019-2020
  - *Topic:* programmable data planes in hybrid networks
  - *Collaborator:* Gianni Antichi
  - *Outcomes:* 2 joint publications
- **RISE-ICT/Acreo (Sweden)**
  - *Date:* 2017-2018
  - *Topic:* resource negotiation in multi-layer networks
  - *Collaborators:* Stephane Junique, Abdur Ghafoor, Pontus Skoldstrom
  - *Outcome:* 2 joint publications
- **Athens Information Technology (Greece)**
  - *Date:* 2016-2018
  - *Topic:* resource allocation in multi-layer networks
  - *Collaborators:* Ioannis Tomkos, Dimitrios Klonidis, Chris Matrakidis, Ciril Rozic
  - *Outcomes:* 6 joint publications
- **Lund University (Sweden)**
  - *Date:* 2015-2016
  - *Topic:* latency evaluation in access networks
  - *Collaborators:* Stefan Host, Maria Kihl, Per Odling, William Tarneberg
  - *Outcomes:* 3 joint publications
- **Fraunhofer Research Institution for Applied and Integrated Security (Germany)**
  - *Date:* 2012-2015

- *Topic:* privacy in Smart Grids
- *Collaborator:* Christoph Krauss
- *Outcomes:* 3 joint publications

#### **Supervision, Co-supervision and Tutoring Activities**

- **Co-supervisor of 2 PhD students**
  - Jacopo Talpini, University of Milano-Bicocca (2022-now)
  - Damu Ding, Fondazione Bruno Kessler (2017-2021)
- **Partial co-supervisor of 4 PhD students** from Politecnico di Milano (Ali Hmaity) and Fondazione Bruno Kessler (Antonio Marsico, Roberto Doriguzzi Corin, Francescomaria Faticanti) not as formal supervisor/co-supervisor (2016-2020)
- **Supervisor/co-supervisor of BSc/MSc students** (15+) from University of Milano-Bicocca, Fondazione Bruno Kessler and Politecnico di Milano (2013-now)
- **Tutor** of 1 PhD student from University of Milano-Bicocca (2021-now)

#### **Industrial Research Collaborations**

- **Athonet srl (Italy)**
  - *Date:* 2020-now
  - *Topic:* Network Function Virtualization for 5G networks
  - *Collaborators:* Marco Centenaro, Nicola di Pietro
- **Storm Reply GmbH (Italy)**
  - *Date:* 2021-now
  - *Topic:* edge computing
  - *Collaborator:* Anna Buttaboni

#### **TITOLARITÀ DI BREVETTI**

(per ciascun brevetto, inserire autori, titolo, tipologia, numero brevetto, ecc.)

Nothing to declare.

#### **ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI**

(inserire titolo congresso/convegno, data, ecc.)

##### **Talks to Conferences and Workshops**

- 21st March 2022: *Talk* "Serverless Computing for NFV: Is it Worth it? A Performance Comparison Analysis" at 1st \*LESS Workshop (co-located with IEEE PerCom 2022)
- 17th January 2021: *Talk* "DFaaS: Decentralized Function-as-a-Service for Federated Edge Computing" at Italian Networking Workshop 2022
- 4th December 2020: *Talk* "The Role of Data Storage in the Design of Wearable Expert Systems", at MTSR 2020 (jointly with Fabio Sartori)
- 14th October 2020: *Talk* "Rethinking the Design of Wearable Expert Systems: The Role of Network Infrastructures", at WiMob 2020
- 30th January 2020: *Talk* "An Incrementally-deployable P4-enabled Architecture for Network-wide Heavy-hitter Detection" at Italian Networking Workshop 2020
- 20th November 2015: *Talk* "Impact of Processing Costs on Service Chain Placement in Network Functions Virtualization" at IEEE NFV-SDN 2015
- 11th December 2013: *Talk* "A Decisional Attack to Privacy-friendly Data Aggregation in Smart Grids" at IEEE GLOBECOM 2013

##### **Invited Talks to Conferences and Workshops**

- 22nd April 2021: *Invited Talk* "P4-based Network Traffic Entropy Estimation for the Detection of DDoS Attacks", at DRCN 2021 - Workshop "Beyond SDN. Programmable data plane: Abstraction, Architectures and Applications"
- 5th February 2020: *Invited Talk* "Use Case for Data Plane Programming: Distributed Denial of Service Detection", at GÉANT Symposium 2020
- 12th October 2018: *Invited Talk* "Empowering Network Monitoring through Programmability" at SDN NFV World Congress 2018

#### **Tutorials at Conferences and Workshops**

- 17th May 2017: *Tutorial* "ACINO: From Application Blending to Application Centricity" at ONDM 2017 (sole instructor)

#### **Panels to Conferences and Workshops**

- 9th November 2021: *Moderator* and *Panelist* of the Student Mentor Panel at IEEE CloudNet 2021
- 25th June 2021: *Expert Panelist* at 1st Workshop on Serverless Mobile Networking for 6G Communications (co-located with ACM MobiSys 2021)

#### **Seminars**

- 12th November 2018: *Seminar* "Empowering Network Monitoring through Programmability" at University of Alcalà, Department of Automatics

#### **Organizing Committee Member of Conferences and Workshops**

- International Workshop on Edge Network Softwarization (ENS) 2022 (co-located with NetSoft 2022) - *General Chair*
- ACM CoNEXT 2022 Conference - *Web Chair*
- IEEE NetSoft 2022 Conference - *Web Co-Chair*
- IEEE SECON 2021 Conference - *Publication Chair*

#### **Technical Program Committee Member for Conferences and Workshops**

- IEEE SECON 2021
- ACM SDN-NFV Sec Workshop 2021 (co-located with CODASPY 2021)
- IEEE COINS 2020 - Cloud Computing Track
- IEEE STET Workshop 2018 (co-located with NetSoft 2018)
- IEEE ICC 2017 - Selected Areas in Communications: SDN & NFV
- IEEE GLOBECOM 2015 - Selected Areas in Communications: SDN

#### **Session Chairing Activities at Conferences and Workshops**

- Session Chair at WiMob 2020 - Wireless Networks Session
- Session Co-Chair at MTSR 2020 - Track on Knowledge IT Artifacts

### **CONSEGUIMENTO DI PREMI E RICONOSCIMENTI NAZIONALI E INTERNAZIONALI PER ATTIVITÀ DI RICERCA** (inserire premio, data, ente organizzatore, ecc.)

#### **Research Grants**

- **H2020 DECENTER Project (2018-2021)**, funded by the European Commission 650.500€ granted to FBK
  - *Role*: Member of the FBK's team leading and coordinating the proposal writing (also including Dr. Domenico Siracusa and Mr. Raffaele Giaffreda)
- **H2020 GN4-3 Project (2019-2022)**, funded by the European Commission
  - *Role*: Member of the FBK's team participating to the proposal writing, as subcontractor of GARR Consortium

#### **Best Paper Awards**

- Paper "Virtual Network Function Placement For Resilient Service Chain Provisioning" at **RNDM 2016 Workshop**

#### **Research Awards**

- **Young Talents Award 2021 (3rd Price)**
  - *Issuer*: University of Milano-Bicocca, Milano, Italy
  - *Patron*: Accademia Nazionale dei Lincei
  - *Macro-area*: Mathematics, Computer Science, Industrial and Information Engineering

#### **Travel/Registration Grants**

- **CoNEXT 2020 Conference**

#### **Grant Proposal Reviewer Invitations**

- **National Science Center, Poland**



**Editorial Activity**

- *Member of the Editorial Board* (Technical Committee) of **Elsevier's Computer Communications** (2020-Now)
- *Guest Editor* for **Elsevier's Computer Networks** - Special Issue on "Challenges and Solutions for Hybrid SDN" (2020-2021)
- *Member of the Editorial Board* (Editor) of **MDPI Network** (2020-Now)
- *Member of the Editorial Board* (Review Editor) of **Frontiers in Communications and Networks** (2020-Now)
- *Member of the Reviewer Board* of **MDPI Future Internet** (2020-Now)
- *Guest Editor* for **MDPI Electronics** - Special Issue on "New Trends in SDN/NFV Architectures and Routing Solutions" (2021)

**PhD Evaluation Committee Member**

- Eder Ollora Zaballa, Technical University of Denmark (2022)
- Valerio Bruschi, University of Rome Tor Vergata (2022)

**POSSESSO DEL DIPLOMA DI SPECIALIZZAZIONE EUROPEA RICONOSCIUTO DA BOARD INTERNAZIONALI**  
(relativamente a quei settori concorsuali nei quali è prevista)

(indicare diploma, data di conseguimento, ecc.)

Not relevant.

**TITOLI DI CUI ALL'ARTICOLO 24 COMMA 3 LETTERA A) E B) DELLA LEGGE 30 DICEMBRE 2010, N. 240**  
(indicare se contratto di tipologia A o B, Ateneo, data di decorrenza e fine contratto, ecc.)

**Contract as Fixed-Term Researcher ("Ricercatore a Tempo Determinato Tipo A", RTD-A)**

- *Date*: April 2020 - Now (contract expected to end in March 2023)
- *University*: University of Milano-Bicocca, Milano, Italy
  - *Department*: Department of Informatics, Systems and Communication (DISCo)
- *Contract type*: fixed-term with the University

## PRODUZIONE SCIENTIFICA

### PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

#### Journal Papers

1. **M. Savi**, M. Tornatore, G. Verticale, *Impact of Processing-Resource Sharing on the Placement of Chained Virtual Network Functions*, in IEEE Transactions on Cloud Computing, vol. 9, no. 4, pp. 1479-1492, Oct.-Dec. 2021(DOI: 10.1109/TCC.2019.2914387)
2. D. Ding, **M. Savi**, D. Siracusa, *Tracking Normalized Network Traffic Entropy to Detect DDoS Attacks in P4, to appear* in IEEE Transactions on Dependable and Secure Computing, Sept. 2021 (DOI: 10.1109/TDSC.2021.3116345)
3. E. Rojas, R. Amin, C. Guerrero, **M. Savi**, A. Rastegarnia, *Challenges and Solutions for Hybrid SDN*, in Computer Networks, vol. 195, pp. 1-5, Aug. 2021 (DOI: 10.1016/j.comnet.2021.108198)
4. **M. Savi**, F. Olivadese, *Short-Term Energy Consumption Forecasting at the Edge: A Federated Learning Approach*, in IEEE Access, vol. 9, pp. 95949-95969, Jul. 2021 (DOI: 10.1109/ACCESS.2021.3094089)
5. R. Berto, P. Napoletano, **M. Savi**, *A LoRa-Based Mesh Network for Peer-to-Peer Long-Range Communication*, in Sensors, vol. 21, no. 13, pp. 1-12, Jun. 2021 (DOI: 10.3390/s21134314)
6. D. Ding, **M. Savi**, F. Pederzolli, M. Campanella, D. Siracusa, *In-Network DDoS Victim Identification Using Programmable Commodity Switches*, in IEEE Transactions on Network and Service Management, vol. 17, no. 2, pp. 1191-1202, Jun. 2021 (DOI: 10.1109/TNSM.2021.3073597)
7. J. Alvarez-Horcajo, I. Martinez-Yelmo, D. Lopez-Parajes, J. A. Carral, **M. Savi**, *A Hybrid SDN Switch Based on Portable P4 Code*, in IEEE Communications Letters, vol. 25, no. 5, pp. 1482-1485, May 2021 (DOI: 10.1109/LCOMM.2021.3049570)
8. P. Kochovski, V. Stankovski, S. Gec, F. Faticanti, **M. Savi**, D. Siracusa, S. W. Kum, *Smart Contracts for Service-Level Agreements in Edge-to-Cloud Computing*, in Journal of Grid Computing, vol. 18, no. 4, pp. 673-690, Dec. 2020 (DOI: 10.1007/s10723-020-09534-y)
9. A. Marsico, **M. Savi**, D. Siracusa, E. Salvadori, *An Automated Negotiation Framework for Application-Aware Transport Network Services*, in Optical Switching and Networking, vol. 38, pp. 1-13, Sept. 2020 (DOI: 10.1016/j.osn.2020.100571)
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25/03/2022

Luogo

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