

Curriculum vitae

Marc Eduard Frîncu

Membru Senior IEEE, Fellow Higher Education Academy

Date personale

Prenume:
Nume:
Data și locul nașterii:
Naționalitate:
Adresa:
Email:



Profile profesionale

- LinkedIn: <http://www.linkedin.com/pub/marc-frincu/24/561/979/en>
- ResearchGate: https://www.researchgate.net/profile/Marc_Frincu
- Google Scholar: <https://scholar.google.com/citations?user=4dqihwAAAAJ&hl=ro>
- WebOfScience: <https://www.webofscience.com/wos/author/record/735502>
- ORCID: <https://orcid.org/0000-0003-1034-8409>

Educație

Fellow Higher Education Academy	PGCert	Nottingham Trent University, UK	2021 - 2023
Abilitare în Informatică	FMI	Universitatea de Vest Timișoara	2017
Doctorat	FMI	Universitatea de Vest Timișoara	2008 - 2011
Masterat AIDC	FMI	Universitatea de Vest Timișoara	2006 - 2008
Stagiu de practică	LORIA	INRIA Nancy Franța	Oct 2007 - Jan 2008
Licență în Informatică	FMI	Universitatea de Vest Timișoara	2002 - 2006

Experiența profesională

- **Lector senior** *Dec. 2020 – prezent*: Nottingham Trent University, UK
- **Conferențiar** *Oct. 2016 – Feb. 2021*: Universitatea de Vest Timișoara, România
- **Prodecan FMI** *Oct. 2017 – Noi. 2020*: Universitatea de Vest Timișoara, România
- **Lector** *Oct. 2012 - Sep 2013 and Sep 2015 – Sep 2016*: Universitatea de Vest Timișoara, România
- **Cercetător** *Mai 2011 – Iul 2013 and Sep 2016 – Mai 2017*: Institutul e-Austria Timișoara, România
- **Cercetător Postdoctoral** *Sep 2013 – Aug 2015*: University of Southern California, Viterbi School of Engineering, USA
- **Cercetător Postdoctoral** *Oct 2012 – Sep 2013*: University of Strasbourg ICube-ICPS group, Franța
- **Cercetător junior** *Sep 2006 – Mai 2011*: Institutul e-Austria Timișoara, România
- **Asistent universitar** *Feb 2012 – Sep 2012*: Universitatea de Vest Timișoara, România
- **Preparator** *Mar 2007 – Ian 2012*: Universitatea de Vest Timișoara, România
- **Cercetător invitat** *Iunie 2010*: INRIA Lille, Franța
- **Programator** *Feb 2006 – Aug 2006*: Extenseo SRL, România
- **Technician** *Sep 2005 – Ian 2006*: FiberNet SRL, România
- **Stagiu de practică** *Aug 2005*: MemIQ SRL, România

Interese științifice

- Analiza Big Data și Învățare Automată Aplicată
- Rețele Smart Grid
- Calcul Distribuit și Cloud
- Astronomia în Cultură



Experiența în predare

- **Cursuri:**

- Nottingham Trent University: *Service Centric & Cloud Computing* (an 3 licență): 2021 – prezent; *Project Concept and Planning* (DegAppr): 2021 – prezent; *Computer Tech & Maths / Maths strand* (an 1 licență): 2022 – prezent;
- Universitatea de Vest Timișoara: *Etică și integritate academică* (an 1 doctorat): 2022 - prezent; *Academic/Technical Writing* (an 1 master): 2023 – prezent; *Computer Graphics & User Interfaces* (an 3 licență): 2012, 2015–2019; *Web Technologies* (an 3 licență): 2015; *Data Structures and Algorithms in Parallel Computing* (an 2 master): 2015; *Distributed Computing* (an 1 master): 2016–2020; *Big Data Processing and Technologies* (an 1 master): 2018–2019; *Scheduling Algorithms for Distributed Systems* (an 2 master): 2018–2020; *Big Data Applications* (an 2 master): 2019–2020; *Astronomy in Culture* (licență): 2016-2020.

- **Laboratoare/Seminarii:**

- Nottingham Trent University: *Service Oriented Cloud Technologies* (master): 2021 – prezent; *Big Data Infrastructure* (master): 2022 – prezent;
- Universitatea de Vest Timișoara: *Computer Graphics* (an 3 licență): 2007–2011, 2016–2019; *Web Technologies* (an 3 licență): 2006–2011, 2015; *Operating Systems* (an 2 licență): 2006–2007; *Team Projects* (an 3 licență): 2010 – 2011; *Individual Project* (an 2 licență): 2010 – 2011.

Premii și recunoaștere profesională

- Strong performance rating – Nottingham Trent University (2022)
- Premiul „Mihail Ghermănescu” pentru matematică și informatică – UVT (2018)
- Premiul de excelență în cercetare „Rada Mihalcea” (2017)
- Membru Senior IEEE (2016)
- Premiu de excelență în cercetare – Orizonturi Academice Timișoara (2015)
- USC Postdoctoral Scholar Travel & Training Award (2014)
- Diplomă de excelență UVT: cel mai bun debut în cercetare și învățământ (2011)
- Cea mai bună lucrare ICISSP 2015
- Finalist cea mai bună lucrare HPEC 2015

H-index (24 martie 2023)

- Google Scholar: 18
- Scopus: 13
- WoS: 8

Proiecte de cercetare

Director de proiect / manager local

- (PI) Grant RO PN3, ROTLA: Machine Learning-based Automated Transliteration of 19th Century Romanian Transitional Alphabet Texts to Modern Latin Script, 2022-2024, 121,000 EUR
- (Co-PI) NTU IKEP, Immersive Experiences to Communicate Sky Heritage & Dark Skies, 2021-2022, 20,000 GBP
- (Co-PI) NTU Strategic Research Theme Seed Corn, Exploring Skyscapes at Heritage Sites through AR, 2021-2022, 5,000 GBP
- (PI) Grant RO PN3, CERES: Software module to classify asteroids from astronomical images using machine learning, 2020-2022, 30,500 EUR for UVT (121,700 EUR total)
- (PI) Grant RO PN3, Cloud2Energy: Cloud Dynamics on Distributed Systems for Predicting Photovoltaic Energy, 2020-2022, 72,800 EUR total
- (PI) Grant RO PN3, BISMART: Business Intelligence KPI Application Suite for SmartMetering MDM, 2016-2017, 81,500 EUR total
- (PI) Grant ESA Matlib4Space: Pre-Qualification of a Mathematical Library for FSW, 2016-2018, 300,000 EUR total
- (Co-PI) USC Ming Hsieh Institute grant for seminar series: “Distinguished Speaker Series on Innovation in Informatics to address Smart Energy Challenges”, 2014-2016



Membru

- CloudLightning+, PN-III-P3-3.6-H2020-2016-0005 CNCS, 2016-2018
- CloudLightning 2015-2018, EU HP2020 funded project
- AMICAS, 2012-2016, PN-II-ID-PCE-2011-3-0260 funded by the Romanian National Authority for Scientific Research
- (manager) DOE LADWP Smart Grid Demonstration Project, DE-OE0000192, 2010-2015
- (manager) DARPA XDATA GoFFish project, FA8750-12-2-0319, 2012-2015
- SONGS, 2012-2015, ANR 11 INFRA 13 funded by the French National Research Agency
- FP7-REGPOT HOST, grant no. 284595, 2012-2014
- FP7-ICT mOSAIC grant no. 256910, 2010-2013
- FP6-2005-Infrastructure-5 SCIENCE, 2006-2010 (RII3-CT-2005-026133)
- GiSHEO: On-demand Grid services for training and high education in Earth Observation, 2008-2010, European Space Agency – PECS Programme
- InfraGrid, 2009-2011 (Structural funds)

Activități sinergetice

- **Evaluator proiecte:** French National Research Agency (2015), Polish Science Foundation (2016–2018)
- **Editor număr special:** Special Issue Procs. 29th Conference of the European Society for Astronomy in Culture (2024 - forthcoming); Special Issue Editorial on Internet of Things as a Key Enabler of Dew Computing in Elsevier's Internet of Things Journal (2020); Special Issue on Scalable Computing Systems for Big Data Applications in Elsevier's Journal of Parallel and Distributed Computing (2016); Special Issue on Selected Papers from the SYNASC'14 Distributed Computing Track in Wiley's Concurrency and Computation: Practice and Experience (2015);
- **Recenzor jurnale:** American Mathematical Society - Mathematical Reviews (since 2012); IEEE Transactions on Smart Grids (since 2014, IF: 4.33); IEEE Transactions on Clouds (since 2013); Elsevier Journal of Parallel and Distributed Computing (2014, IF: 1.01); Springer Computing (2013, IF: 1.05); Springer Soft Computing (since 2013, IF: 1.30); Wiley Concurrency and Computation: Practice and Experience (since 2014, IF: 0.78); Springer Design Automation for Embedded Systems (2014, IF: 0.24); Elsevier Journal of Information Security and Applications (2015); Scalable Computing Practice and Experience (2013); International Journal of Grid and Utility Computing (2013), Computer Communication & Collaboration (2013);
- **Președinte comitet de program conferințe:** SYNASC 2013-prezent Distributed Computing track, SCRAMBL 2014-2016 workshop (collocated with CCGrid 2014-2015 and Europar 2016), SEAC 2022;
- **Membru în comitet de program conferințe:** ICDCIT 2016, 2018; CCGrid 2015; HPiC 2015, 2021-2022; ARMS 2015 workshop; GeCon 2015; SYNASC 2011-2012; MICAS 2012-2013 workshop; CBPM 2013-2014 workshop; CC-Grid'15; ICA3PP 2017-2018, 2023; CSCS 2018, 2023; EDCC 2017-2019; CSE 2018;
- **Editor tehnic:** Scalable Computing: Practice and Experience (2011-2014);
- **Organizator conferințe:** Conference of the Romanian Society for Cultural Astronomy (2017–present), 29th Conference of the European Society for Astronomy in Culture (2022), Cloud Enhancing Research webinar (2016-2018)
- **Membru organizații profesionale:** Fellow (vice-president since September 2020) of the European Society for Astronomy in Culture (2016–present), vice president of Romanian Society for Cultural Astronomy (2017–present);

Activități de voluntariat

- Director de proiect în 3 proiecte culturale (circa 8,800 EUR) în cadrul Societății Române pentru Astronomie Culturală;
- Lector invitat la Be Festival Birmingham 2021, From Sunset to Sunrise;
- Activități de popularizare ale Societății Române pentru Astronomie Culturală;
- Lector în cadrul West Summer University un proiect UVVT;
- Prezentator la Planetariul Universității de Vest Timișoara (2005-2020);

Limbi vorbite

- **Română** – nativ
- **Engleză** – scris (fluent), citit (fluent), înțeles (fluent), vorbit (fluent)
- **Franceză** – scris (mediu), citit (mediu), înțeles (mediu), vorbit (mediu)
- **Germană** – scris (începător), citit (mediu), înțeles (mediu), vorbit (începător)

