

# ELISA ROJAS

## Telematics Engineer

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 elisarojas.github.io

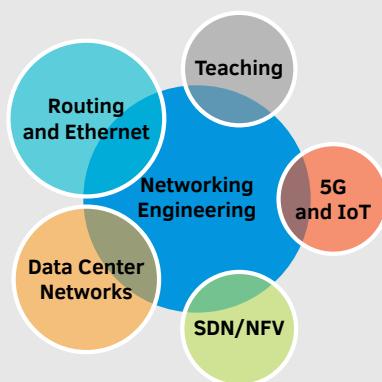
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 /in/elisarojas/

 elisarojas

## Skills

### Overview



### Programming and Tools

C • C++ • Python • 

Ms Office • GitHub • PacketTracer

GNS3 • Matlab • Inkscape

HTML5 • JS • Python • SQL • Java

## Projects (top 5)

**MistLETOE** - Mist computing enablers to boLstEr smarT ecO Environments  
**ONENESS** - Operación y gestión de redes programables para el soporte activo de sErvicios ceNtrados En loS usuarioS

**IRIS** - Servicios y protocolos para la Integración de Redes de baja capacidad en entornos Inteligentes basados en SDN/NFV y redes 5G

**H2020-Supefluidity** - Towards superfluid networks in 5G

**FP7-NetIDE** - An integrated development environment for portable network applications

## Education & Languages

2010 - 2013 **PhD., Information and Communication Technology** (GPA: Cum Laude) University of Alcalá, Spain

2009 - 2011 **MSc., Information and Communication Technology Engineering** (GPA: 7.88/10.00; ranked #1) University of Alcalá, Spain

2002 - 2009 **MSc., Telecommunication Engineering** (GPA: 7.39/10.00) University of Alcalá, Spain

~~ **Languages:** English C1 • French A2 • Japanese A1 • Chinese A1

## Publications (top 3)

E. Rojas *et al.*, "Outperforming RPL with scalable routing based on meaningful MAC addressing". Ad Hoc Networks 114, 102433. 2021

E. Rojas, "From software-defined to human-defined networking: Challenges and opportunities". IEEE Network, vol. 32, no. 1, pp. 179-185, Jan.-Feb. 2018.

E. Rojas *et al.*, "TEDP: An enhanced topology discovery service for Software-Defined Networking". IEEE Communications Letters 22 (8), 1540-1543. 2018

~~ **Summary:** >50 published; 33 high impact (JCR); 937 citations (h-index 17; i10-index 27)

## Milestones & Social Impact

2016 - 2024 **ONF Spanish Ambassador** Open Networking Foundation

2016 **LINUX Magazin & ADMIN Magazine** Open Network Operating System

Since 2013 **Supervised >30 BSc./MSc. + 2 PhD. thesis** University of Alcalá and UC3M

Since 2010 **5 national & 2 international patents** University of Alcalá

Since 2010 **Research YouTube channel > 10K views** YouTube - GIST Netserv

2010 **Best Demo Award** IEEE LCN 2010

Since 2007 **2 International Study Grants (2007,2008), 2 Collaboration (2011,2012) & 2 Research Stays (2012,2019)** BME (Budapest, Hungary), SISU (Shanghai, China), NEC (Heidelberg, Germany), Fujitsu Labs (Kawasaki, Japan), University of Cambridge (Cambridge, UK) & FBK - CREATE-NET (Trento, Italy)

2002 - 2003 **Excellent Scholar Grant 2002 & 2003** Comunidad de Madrid

## Experience

Sep 2017 - **Assistant/Associate Professor** University of Alcalá  
Now

- Assistant professor from 2017 to 2023, and Associate since them. Also, Faculty Vice-secretary from 2019 to 2022, and currently part of the teaching innovation department of the vice-rectorate.

Dec 2014 - **Chief Technology Officer (CTO)** Telcaria  
Aug 2017

- SME devoted to research and innovation. Major research contracts in the European field and big telco companies (such as Telefónica).

Jun 2014 - **PostDoc Researcher** IMDEA Networks Institute  
Dec 2014

- Research in SDN/NFV and 5G networks.

May 2014 - **PhD and Research Engineer** University of Alcalá  
Apr 2010

- Research in Ethernet, routing and data center networks.

Apr 2010 - **Traineeship & Junior Developer** Telefónica I+D & Oesía  
Jun 2006

- Analysis of operator network traces and data visualization.