

Gradient and R&I Strand 3



Gradient: Galician R&D Center in Advanced Telecomms

- Based in Vigo, Spain
- Focus on Industry-oriented Research & Innovation
- 85 FT researchers (18 PhDs)



Cognitive Networking and Traffic Engineering for SDN

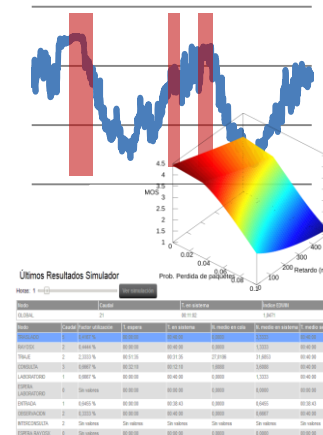
- Pattern detection
- Traffic monitoring
- Traffic prediction
- Learning strategies
- Quality of Experience
- Discrete event simulation
- Protocol engineering

Experience

- Vodafone Network optimization and traffic characterization
- RCA
- Datacenters

Assets

- Proprietary discrete event simulator
- Quality of Experience models
- Traffic analysis plugins for Nagios



P11(and P9, P14)

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5G Internet of Things

- **6LoWPAN** integration for 5G Networks
- **Dynamic** Network Formation
- **Opportunistic** Routing
- Service Discovery
- **Cooperative** spectrum

Experience

- National projects
 - **Hospital emergencies service management**
 - **Hospital Patient and Ambient Monitoring**
 - Several **Smart Furniture** projects
- Internal research
 - **Service discovery** for M2M communications
 - SDN applied to the Internet of Things
 - Security, privacy and data confidentiality

Assets

- Design and implementation of proprietary IoT HW and SW platform



Strategic academic partners



Universidade de Vigo

Your contact at this Infoday

- Felipe Gil-Castiñeira,
Research Director Intelligent
Networks
fgil@gradiant.org

P11,P12,P13 (and P3,P6,P8-10)