

**Centro Social
Afundación Vigo,
July 4th-5th, 2017**

July, 4th



July, 5th

9:00-9:15 Welcome and Introduction

9:15 -10:15 Invited talk by Rui Aguiar,
*Management in Chaotic Telecommunication
Environments*

10:15 -10:45 Coffee break

10:45 -11:45 Invited talk by Daniel Romero,
*Know your RF ambience: cartographic
techniques for spectrum-aware networking*

11:45 -12:45 Invited talk by Antonio G. Marqués,
*Stationary graph processes and
applications to network topology inference*

13:00 -14:30 Lunch break

14:30 -17:00 Poster Session

9:45 - 10:00 Welcome.

10:00 - 10:45 Felipe Gil Castiñeira (GTI):
5G network core: In troduction & enabling technologies

**10:45 - 11:30 Roberto Maneiro-Catoira, Julio Brégains,
José Antonio García-Naya, Luis Castedo (GTEC):**
*Enhanced Time-modulated arrays for harmonic
beamforming*

11:30 - 13:00 Coffee break and Poster Session

13:00 - 13:45 Carlos Mosquera (GPSC):
Two-level precoding for non-cooperative Earth stations

**13:45 - 14:30 Richard Duro, Abraham Prieto,
Blanca Priego (GII):** *Current results in robotic cognition
and multidimensional signal processing*



Poster Session

Milagros Fernández Gavilanes (GTI)

GTI advances in natural language programming

Carlos Pérez Garrido (GTI)

SDN and virtualization in 5G mobile networks

Tomás Ramírez, Roberto López-Valcarce, Carlos Mosquera (GPSC)

Joint beamforming and precoding for non-Cooperative Earth Stations

Anxo Tato, Carlos Mosquera (GPSC)

Exploitation of Double Polarization for Mobile Adaptive Links

Nuria González-Prelcic and Robert W. Heath Jr. (GPSC)

Millimeter Wave communication with out-of-band information

Javier Rodríguez-Fernández, Nuria González-Prelcic, R. W. Heath Jr. (GPSC)

Exploiting common sparsity for frequency-domain estimation of mmWave frequency-selective channels

O. Fresnedo, P. Suárez-Casal, L. Castedo, J. García-Frías (GTEC)

Hybrid Digital-Analog Joint Source Channel Coding for Broadcast Multiresolution Communications

José J. Lamas-Seco, Francisco J. Vazquez-Araujo, Paula M. Castro, Adriana Dapena (GTEC)

Multi-Loop Inductive Sensor Model for Vehicle Traffic Application

Simón Oya, Carmela Troncoso, Fernando Pérez-González (GPSC)

Location Privacy: Metrics and Mechanism Design

Miguel Masciopinto, Vlad Darau, Fernando Pérez-González (GPSC)

Temporal localization of videos based on ENF variation