

INDEX

- 5. Open Standards for the Internet-of-Things**
M. Ángeles Simarro, Paola Guzmán, M. Ángeles Rodríguez, Pau Arce, Gema Piñero, Alberto Gonzalez, Juan Carlos Guerr
- 15. 5G New Radio Numerologies and their Impact on V2X Communications**
Josue Flores de Valgas, David Martín-Sacristán and Jose F. Monserrat
- 23. Electronic Dance Music Analysis for Real-Time Synchronization of 3D Video Animations in Live Events**
Emanuel Aguilera, Jose J. Lopez, Pablo Gutierrez-Parera and Carlos Hernandez
- 35. Development of Substrate Integrated Passive Microwave Circuits**
Carmen Bachiller, Juan R. Sánchez, Vicente Nova, José M. Merello, Vicente E. Boria

Annual Research Report 2018/2019

- 47. COMM (Multimedia Communications Group)**
- 51. GAM (Microwave Applications Group)**
- 57. GRE (Electromagnetic Radiation Group)**
- 63. GTAC (Audio and Communications Signal Processing Group)**
- 67. GTS (Signal Processing Group)**
- 75. PRL (Photonics Research Labs)**
- 83. MCG (Mobile Communications Group)**

Theses Summary

- 87. Signal Modality Characterization: from Phase Space Reconstruction to Real Applications**
Author: Alicia Carrión García
- 88. Integrated Microwave Photonic Processors using Waveguide Mesh Cores**
Author: Daniel Pérez López

INDEX

- 89. Development of direct measurement techniques for the in-situ internal alignment of accelerating structures**
Author: Natalia Galindo Munoz
- 90. Advanced Layered Division Multiplexing Technologies for Next-Gen Broadcast**
Author: Eduardo Garro Crevillén
- 91. Radiofrequency signal generation systems based on Microwave Photonics**
Author: Manuel Rius Mercado
- 92. New broadband, low cost and compact MIMO radar frontends**
Author: Enric Miralles Navarro
- 93. Advanced Optical Techniques of Transmission for OOFDM-WDM Networks**
Author: Francisco Israel Chicharro López
- 94. Other Theses**
Title: Técnicas de transmisión sobre fibra óptica con dispersión modal (in Spanish)
Author: Medina Sevilla, Pau

Title: UWB radio channel and diversity characterization for wireless implanted devices
Author: Andreu Estellés, Carlos

Title: Encoding optical FBG sensors to enhance the capacity of optical sensing systems
Author: Triana Infante, Cristian Andrés