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## Awards

5. Eva Antonino receives a world-class award for her contributions in the field of telecommunications
6. Gonzalo Safont receives the IEEE smcs award for outstanding phd thesis on cybernetics
7. Prof. José Capmany commissioned as IDEAS entrepreneurial ambassador
8. Miguel Ferrando Rocher has been awarded the Coit-aeit Airbus Space and defense award
9. 21 Valencian Telecommunications night and Awards 2019
10. Prof. José Capmany has obtained a Proof of Concept grant awarded by the European Research Council
11. iTeam receives the 2019 Research Award from the Social Council of the Universitat Politècnica de València

## Scientific Papers

13. A MATLAB-based ray launching simulation tool for VLC applications  
*Rafael Zafrilla and Jose F. Monserrat*

## Annual Research Report 2019/2020

25. COMM (Multimedia Communications Group)
31. GAM (Microwave Applications Group)
35. GRE (Electromagnetic Radiation Group)
43. GTAC (Audio and Communications Signal Processing Group)
47. GTS (Signal Processing Group)
55. PRL (Photonics Research Labs)
63. MCG (Mobile Communications Group)

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## Theses Summary

- 69. Encoding optical FBG sensors to enhance the capacity of optical sensing systems**  
*Author: Cristian Andrés Triana Infante*
- 70. Distributed and Collaborative Processing of Audio Signals: Algorithms, Tools and Applications**  
*Author: Christian Antoñanzas Manuel*
- 72. Design of photonic sensors based on cavities and new interrogation techniques**  
*Author: Javier Hervás Peralta*
- 73. Microwave Photonics applied to Low Coherence Interferometry**  
*Author: Jesús Benítez González*
- 74. Algorithms and hardware architectures for OFDM implementation in optical communications system**  
*Author: Julián Santiago Bruno*
- 75. NGap Waveguide Array Antennas and Corporate-Feed Networks for mm-Wave band Applications**  
*Author: Miguel Ferrando Rocher*
- 76. Polymer optical fiber gratings for microwave photonics and communications applications**  
*Author: Rui Min*
- 77. Change detection techniques through remote sensing for sustainable development and desertification**  
*Author: Soufiane Abdelaziz Azzouzi*
- 79. Interoperability for the future European SmartCity ecosystem**  
*Author: Victor Fernández Pallarés*