

# **LIST OF CONTRIBUTIONS TO NATIONAL AND INTERNATIONAL CONGRESSES 2024**

1. M. Grespan, S. Busquets-Monge, E. Mas De Les Valls, X. Jordà, M. Raya Di Francisco and D. Angeli.  
**Thermal analysis of an integrated motor drive with a switching cell array power converter.**  
**9th European Thermal Sciences Conference (Eurotherm 2024), Journal of Physics: Conference Series 2766 (2024), International.**
2. Conrad Ferrer, Ferran Bonet, Roger Solé, Miquel Vellvehi, Xavier Jordà, Xavier Perpiñà  
**Die-Level Functional Off-Chip Characterization of Power Devices Using Optical Techniques**  
**15th Topical Workshop on Heterostructure Microelectronics (TWHM 2024); International**
3. Miquel Vellvehí, Edgars Butanovs, Zeyu Chi, Ekaterine Chikoidze, Lauris Dimitrocnko, Xavier Perpiñà, Xavier Jorda, Yves Dumont, Vincent Sallet, Corine Sartel, Juris Purans, Jose Rebollo, Amador Perez-Tomas, Josep Montserrat  
**Si Implantation and RIE Etching for High Quality Ohmic Contacts for High Power Ga2O3 Devices**  
**International Workshop on Gallium Oxide and Related Materials (IWGO 2024), International**
4. Maria D'Antuono; David Corbella Blanch; Gemma Rius  
**Alternative approaches for obtaining alpha-Phase in Tantalum Thin Film.**  
**European Workshop on Innovative and Advanced Epitaxy, 11-14 June, 2024, Vilnius, Lithuania; Internacional;**
5. Adrià Ortega; Laura Torrent; Xavier Jordà Sanuy; Carles Flaquer; Maria Mas; Ferran Páramo; Adrià López-Baucells  
**Assessment of forest maturity combining LiDAR technology and bat bioacoustics**  
**European Bat Research Symposium (EBRS2024); Internacional;**
6. Estel Blanch-Ojea; Adrià Ortega Castaño; Laura Torrent; Maria Mas Navarro; Xavi Jordà Sanuy; Adrià López-Baucells  
**Bat Player: Evaluation of a Low-Cost Bat Lure for Bat Research and Monitoring**  
**European Bat Research Symposium (EBRS2024); Internacional;**
7. Carme Tuneu-Corral; Xavier Puig-Montserrat; Vanessa Mata; Carles Flaquer; Xavier Jordà; Mar Cabeza; Hugo Rebelo; Adrià López-Baucells  
**Bats and rice: assessing the role of bats as insect pest suppressors in rice paddies**  
**European Bat Research Symposium (EBRS2024); Internacional;**

8. C. Jimenez Ramos; C. Torres Muñoz; J. Garcia Lopez; M. Rodriguez Ramos; C. Quintana; G. Rius; G. Pellegrini; I. Lopez-Paz; I. Vila; J.M. Rafí; P. Godignon  
**Characterization by IBIC of neutron irradiated SiC detectors at CNA  
2nd DRD3 week on Solid State Detectors R&D; Internacional;**
9. Naüm Fusté; Emma Solà; Oriol Aviñó; Xavier Perpiñá; Miquel Vellvehí; Xavier Jordà  
**Estimation of thermo-mechanical Anand model parameters of die-attach materials for power electronics assemblies  
International Conference on Integrated Power Electronics Systems (CIPS 2024); Internacional;**
10. J. Nickson; J. Montserrat; T. Koffas; J.M. Rafí  
**Gallium Nitride - a wide band gap semiconductor material for particle detection in high-energy physics and space applications  
8th Scientific Meeting of PhD Students (JPhD 2024); Nacional;**
11. C. Quintana; D. Rosich; I. Vila; J. Duarte; M. Fernandez; R. Montero; C. Jimenez-Ramos; C. Torres-Muñoz; G. Rius; G. Pellegrini; I. Lopez-Paz; J. Garcia; J.M. Rafí; M. Rodriguez-Ramos; P. Godignon  
**Observation of signal multiplication in neutron irradiated SiC detectors characterized using TPA-TCT  
2nd DRD3 week on Solid State Detectors R&D; Internacional;**
12. J.M.Rafí; J. Nickson; J. Montserrat; A.W. Walker; J.-P. Noël; R. Griffin; G. Villani; T. Koffas  
**RD50 GaN Schottky Diodes Fabrication at IMB-CNM - Current status  
2nd DRD3 week on Solid State Detectors R&D; Internacional;**
13. Lopez Paz; C. Fleta; D. Gonzalez Diaz; F. Gomez Rodriguez; G. Rius; J. M. Rafí; N. Moffat; G. Pellegrini  
**Study of epitaxial graphene contacts for Silicon Carbide radiation dosimetry and detection  
Workshop on Technologies & applied research at the future Valencian proton-therapy facility; Nacional;**
14. Maria Benito-Gomes  
**Towards reduced dielectric losses in superconducting quantum circuits  
Young Researchers Day 2024 IMB-CNM; Nacional;**
15. Maria Benito-Gomes; Gemma Rius  
**Towards reduced dielectric losses in superconducting quantum circuits  
Quantum Matter 2024; Nacional;**