

Detailed list of Publications and conferences

Books

1. “**Microwave Circuits and Devices Based on MEMS Technologies**”, Series in Micro and Nanoengineering co-author Chapter 18: Recent progress in acoustic devices on GaN/Si, Publisher: Publishing House of the Romanian Academy, Bucharest, Editors: L.Tarricone, A.Muller, D.Dascalu, R.Sorrentino, pp.359-365 Published 01/2011; ISBN: 978-973-27-2068-4
2. “**Microwave and millimeter wave MEMS**”, Series in Micro and Nanoengineering co-author Chapter 17: Acoustic Devices for GHz Applications Based on Micromachining and Nanoprocessing of GaN/Silicon, Publisher: Publishing House of the Romanian Academy, Bucharest, Editors: F.Giacomozzi, A.Muller, D.Dascalu, R.Plana, pp.96-103 Published 01/2010; ISBN: 978-973-27-1916-9

Journals

2018 – 2009

1. “On the electrical conductivity of alginate hydrogels” G.Kaklamani, D.Kazaryan, J.Bowen, F.Iacovella, S.H.Anastasiadis, G.Deligeorgis **Regenerative Biomaterials** 5 (5), pp. 293 – 301 (October 2018) <https://doi.org/10.1093/rb/rby019>
2. “An exciton-polariton bolometer for terahertz radiation detection” G.G.Paschos, Timothy Chi Hin Liew, Z.Hatzopoulos, A.V.Kavokin, P.G.Savvidis, G.Deligeorgis **Scientific Reports** 8 (1), 10092 (July 2018) <http://doi.org/10.1038/s41598-018-28197-0>
3. “Temperature dependence of the coherence in polariton condensates” E.Rozas, MD.Martin, C.Tejedor, L.Viña, G.Deligeorgis, Z.Hatzopoulos, P.G.Savvidis **Physical Review B** 97 (7), 075442 (February 2018) <https://doi.org/10.1103/PhysRevB.97.075442>
4. “Efficient cleaning of graphene from residual lithographic polymers by ozone treatment” V.S.Prudkovskiy, K.P.Katin, M.M.Maslov, P.Puech, R.Yakimova, and G.Deligeorgis **Carbon** 109, 221 – 226 (November 2016) <https://doi.org/10.1016/j.carbon.2016.08.013>
5. “Inkjet-Printed graphene Oxide Thin Layers on Love Wave Devices for Humidity and Vapor Detection” I.Nikolaou, H.Hallil, V.Conedera, G.Deligeorgis, C.Dejous and D.Rebière **IEEE Sensors** 16 (21), 7620 – 7627 (November 2016) <https://doi.org/10.1109/JSEN.2016.2600269>
6. “A sub-femtojoule electrical spin-switch based on optically trapped polariton condensates” A.Dreismann, H.Ohadi, Y.V.Redondo, R.Balili, Y.G.Rubo, S.I.Tsintzos, G.Deligeorgis, Z.Hatzopoulos, P.G.Savvidis and J.J.Baumberg **Nature Materials** 15, 1074-1078 (2016) <https://doi.org/10.1038/nmat4722>
7. “Drop-casted Graphene Oxide Love wave sensor for detection of humidity and VOCs” I.Nikolaou, H.Hallil, B.Plano, G.Deligeorgis, V.Conedera, H.Garcia, C.Dejous and D.Rebière **Journal of Integrated Circuits and Systems** 11(1), 49-56 (2016) <http://www.sbmicro.org.br/jics/html/artigos/vol11no1/6.pdf>
8. “Optical investigation of monolayer and bulk tungsten diselenide (WSe₂) in high magnetic fields” A.A.Mitioglu, P.Plochocka, A.Granados del Aguila, PCM.Christianen, G.Deligeorgis, S.Anghel, L.Kulyuk, DK.Maude **Nano letters** 15 (7), 4387-4392 <https://doi.org/10.1021/acs.nanolett.5b00626>
9. “Novel SH-SAW gas sensor based on graphene” I.Nikolaou, H.Hallil, G.Deligeorgis, V.Conedera, H.Garcia, C.Dejous, H.Garcia, C.Dejous, D.Rebière **SPIE Microtechnologies**, pp.951716–951716–7 May 2015

<https://doi.org/10.1109/SBMicro.2015.7298140>

10. “*A tunable microwave slot antenna based on graphene*” M.Dragoman, D.Neculoiu, A.C.Bunea, **G.Deligeorgis**, M.Aldrigo, D.Vasilache, A.Dinescu, G.Konstantinidis, D.Mencarelli, L.Pierantoni, M.Modreanu **Applied Physics Letters** 106 (15), 153101 <https://doi.org/10.1063/1.4917564>
11. “*Open-Thru de-embedding for Graphene RF devices*”, G.Vincenzi, **G.Deligeorgis**, F.Cocchetti, P.Pons **IEEE MTT-S** Published (2014) <https://doi.org/10.1109/MWSYM.2014.6848457>
12. “*Ignition and formation dynamics of a polariton condensate on a semiconductor microcavity pillar*” C.Antón, D.Solnyshkov, G.Tosi, M.D.Martín, Z.Hatzopoulos, **G.Deligeorgis**, P.G.Savvidis, G.Malpuech and L.Viña **Physical Review B** 90 (15), 155311 (2014) <https://doi.org/10.1103/PhysRevB.90.155311>
13. “*Second-order resonant Raman scattering in single-layer tungsten disulfide WS₂*” A. A. Mitioglu, P. Plochocka, **G.Deligeorgis**, S. Anghel, L. Kulyuk, and D. K. Maude **Physical Review B** Vol.89, Art.No 245442 June 2014 <https://doi.org/10.1103/PhysRevB.89.245442>
14. “*Relaxation Oscillations in the Formation of a Polariton Condensate*” M.De Giorgi, D.Ballarini, P.Cazzato, **G.Deligeorgis**, S.I.Tsintzos, Z.Hatzopoulos, P.G.Savvidis, G.Gigli, F.P.Laussy and D.Sanvitto **Physical Review Letters** Vol.112, Iss.11 pp.113602 March 2014 <https://doi.org/10.1103/PhysRevLett.112.113602>
15. “*Modelling and optimization of a RF ballistic graphene demodulator*” F. Cocchetti, R.Plana and **G.Deligeorgis**, **IEEE MTT-S** Published 2014 <https://doi.org/10.1109/MWSYM.2013.6697767>
16. “*Integration of nanoscale memristor synapses in neuromorphic computing architectures*” G.Indiveri, B.Linares-Barranco, R.Legenstein, **G.Deligeorgis**, T.Prodromakis **Nanotechnology** Vol.28 Iss.38 pp.384010 Sept. 2013 <http://dx.doi.org/10.1088/0957-4484/24/38/384010>
17. “*Graphene radio: Detecting radiowaves with a single atom sheet*” M.Dragoman, D.Neculoiu, A.Cismaru, **G.Deligeorgis**, G.Konstantinidis and D.Dragoman **Applied Physics Letters** Vol 101, Art. No. 033109 July 2012 <https://doi.org/10.1063/1.4738762>
18. “*Millimeter-wave Schottky diode on graphene monolayer via asymmetric metal contacts*” M.Dragoman, **G.Deligeorgis**, A.Muller, A.Cismaru, D.Neculoiu, G.Konstantinidis, D.Dragoman, A.Dinescu and F.Comanescu **Journal of Applied Physics**, Vol 112(8), Art. No. 084302 2012 <https://doi.org/10.1063/1.4759347>
19. “*Piezoelectric InAs/GaAs quantum dots with reduced fine-structure splitting for the generation of entangled photons*” S.Germanis, A.Beveratos, G.E.Dialynas, **G.Deligeorgis**, P.G.Savvidis, Z.Hatzopoulos and N.T.Pelekanos **Physical Review B** Vol 86, 035323 (2012) <https://doi.org/10.1103/PhysRevB.86.035323>
20. “*RF signal detection by ballistic transport in Y-shaped graphene nanoribbons*” **G.Deligeorgis**, F.Cocchetti, G.Konstantinidis and R.Plana **Applied Physics Letters** Vol101, Art. No.013502 July 2012 <https://doi.org/10.1063/1.4732792>
21. “*Extending ballistic graphene FET lumped element models to diffusive devices*” G.Vincenzi, **G.Deligeorgis**, F.Cocchetti, M.Dragoman, L.Pierantoni, D.Mencarelli and R.Plana **Solid State Electronics** Vol.76 pp.8-12 (2012) <https://doi.org/10.1016/j.sse.2012.06.004>
22. “*Polariton condensate transistor switch*” T.Gao, P.S.Eldridge, T.C.H.Liew, S.I.Tzintzos, G.Stavriniadis, **G.Deligeorgis**, Z.Hatzopoulos and P.G.Savvidis **Physical Review B** Vol 85, 235102 (2012) <https://doi.org/10.1103/PhysRevB.85.235102>
23. “*Coupling Quantum Tunneling with Cavity Photons*” P.Cristofolini, G.Christmann, S.I.Tsintzos, **G.Deligeorgis**, G.Konstantinidis, Z.Hatzopoulos, P.G.Savvidis and

24. "Oriented polaritons in Strongly-coupled asymmetric double quantum well microcavities" G.Christmann, A.Askitopoulos, **G.Deligeorgis**, Z.Hatzopoulos, S.Tsintzos, PG Savvidis and JJ.Baumberg **Applied Physics Letters** Vol.98, Iss.8 Article Number: 081111 (2011) <https://doi.org/10.1063/1.3559909>
25. *Thermal characterization of MBE-grown GaN/AlGaIn/GaN device on single crystalline diamond*" J.Kuzmik, S.Bychikhin, D.Pogany, E.Pichonat, O.Lancry, C.Gaquiere, G.Tsiakatouras, **G.Deligeorgis**, and A.Georgakilas. **Journal of Applied Physics** Vol.109, Iss.8 Article Number: 086106 (2011) <https://doi.org/10.1063/1.3581032>
26. "Coplanar waveguide on graphene in the range 40MHz-110GHz" D.Dragoman, D.Neculoiu, A.Cismaru, AA.Muller, **G.Deligeorgis**, G.Konstantinidis, D.Dragoman and, R.Plana. **Applied Physics Letters** Vol.99, Iss.3 Article Number 033112 (2011) <https://doi.org/10.1063/1.3615289>
27. "Negative differential resistance in GaN nanowire network" M.Dragoman, G.Konstantinidis, A.Cismaru, D. Vasilache, A. Dinescu, D. Dragoman, D.Neculoiu, R.Buiculescu, **G.Deligeorgis** and A.P. Vajpeyi **Applied Physics Letters** Vol.96 Number 053116 (2010) <https://doi.org/10.1063/1.3309670>
28. "Microwave switching of graphene field effect transistor at and far from the Dirac point" **G.Deligeorgis**, M.Dragoman, D.Neculoiu, D. Dragoman, G.Konstantinidis, A.Cismaru, and R.Plana **Applied Physics Letters** Vol.96 Number 103105 (2010) <https://doi.org/10.1063/1.3358124>
29. "Millimeter wave generation via frequency multiplication in graphene" M.Dragoman, D.Neculoiu, **G. Deligeorgis**, G.Konstantinidis, D. Dragoman, A.Cismaru, Muller A.A and R.Plana **Applied Physics Letters** Vol.97 Number 093101 (2010) <https://doi.org/10.1063/1.3483872>
30. "SAW devices manufactured on GaN/Si for frequencies beyond 5 GHz" A.Muller, D. Neculoiu, G. Konstantinidis, **G. Deligeorgis**, A.Dinescu, A.Staurinidis, A.Cismaru, M.Dragoman and A.Stefaescu **IEEE Electron Device Letters** Vol.31 Iss.12 pp1398 (Dec 2010) <https://doi.org/10.1109/LED.2010.2078484>
31. "Graphene for Microwaves" D.Dragoman, D.Neculoiu, D.Dragoman, **G. Deligeorgis**, G.Konstantinidis, A.Cismaru, F.Cocchetti, R.Plana. **IEEE Microwave Magazine** Vol.11, Iss 7 pp 81-86 (Dec 2010) <https://doi.org/10.1109/MMM.2010.938568>
32. "Room temperature GaAs exciton-polariton light emitting diode" S.T.Tsintzos, P.G. Savvidis, **G.Deligeorgis**, Z. Hatzopoulos and N.T. Pelekanos **Applied Physics Letters** Vol 94, Number 071109 (2009) <https://doi.org/10.1063/1.3082093>
33. "6.3 GHz film bulk acoustic Resonator Structures based on a GaN/Silicon thin membrane" A.Muller, D.Neculoiu, G.Konstantinidis, A.Staurinidis, D.Vasilache, A.Cismaru, M.Dragoman, **G.Deligeorgis**, and K.Tsagaraki **IEEE Elect. Dev. Letters** Vol 30, Iss.8, pp.799-801 (2009) <https://doi.org/10.1109/LED.2009.2023538>
34. "Microwave propagation in graphene" **G.Deligeorgis**, M.Dragoman, D.Neculoiu, D.Dragoman, G.Konstantinidis, A.Cismaru and R.Plana **Applied Physics Letters** Vol 95 Iss7, Number 073107 (2009) <https://doi.org/10.1063/1.3202413>
35. "Current oscillations in a wide graphene sheet" M.Dragoman, D.Dragoman, **G.Deligeorgis**, G.Konstantinidis, D.Neculoiu, A.Cismaru and R.Plana **Journal of Applied Physics** Vol.106 Number 044312 (2009) <https://doi.org/10.1063/1.3208061>
36. "AlN on Silicon based surface acoustic wave resonators operating at 5 GHz" D.Neculoiu, A.Muller, **G.Deligeorgis**, A.Dinescu, A.Staurinidis D.Vasilache, A.Cismaru, G.E.Stan and G.Konstantinidis, **Electronics Letters** Vol.45 Iss.23

pp.1196-1197 (2009) <http://dx.doi.org/10.1049/el.2009.2520>

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37. "Internal field effects on the lasing characteristics of InGaN/GaN quantum well lasers" G.E. Dialynas, **G.Deligeorgis**, M.Zervos and N.T.Pelekanos **Journal of Applied Physics** Vol 104, Number 113101 (2008) <https://doi.org/10.1063/1.3021103>
38. "Reduced threshold current in (111) B grown InGaAsAlGaAs laser diodes: The positive role of piezoelectric effect" **G.Deligeorgis** G.E.Dialynas, Z.Hatzopoulos and N.T.Pelekanos **Applied Physics Letters** Vol 90,Number 121126 (2007) <https://doi.org/10.1063/1.2716214>
39. "Influence of polarization field on the lasing properties of III-Nitride quantum wells" G.E.Dialynas, **G.Deligeorgis**, M.Zervos and N.T.Pelekanos **Physica E** Vol.32 pp.558-561 (2006) <https://doi.org/10.1016/j.physe.2005.12.153>
40. "InAs quantum dots grown by molecular beam epitaxy on GaAs (211)B polar substrates" M.Zervos, C.Xenogianni, G.Deligeorgis, M.Androulidaki, P.G.Savvidis, Z.Hatzopoulos and N.T.Pelekanos **Physica status solidi c** Vol.3 (11) pp.3988 - 3991 (2006) <https://doi.org/10.1002/pssc.200671616>
41. "Comparative Study of (100) and (111)B InGaAs single quantum well laser diodes" G.E.Dialynas, **G.Deligeorgis**, N.Le Thomas, Z.Hatzopoulos and N.T.Pelekanos **Physica E** Vol.23 pp.329-333 (2004) <https://doi.org/10.1016/j.physe.2003.12.134>
42. "Fabrication of GaAs laser diodes on Si using low-temperature bonding of MBE-grown GaAs wafers with Si wafers" D.Cengher, Z.Hatzopoulos, S.Gallis, **G.Deligeorgis**, E.Aperathitis, M.Androulidaki, M.Alexe, V.Dragoi, E.D.Bizaros, G.Halkias and A.Georgakilas, **Journal of Crystal Growth**, Vol.251,Iss1-4 pp. 754-759 (2003) [https://doi.org/10.1016/S0022-0248\(02\)02218-2](https://doi.org/10.1016/S0022-0248(02)02218-2)
43. "GaAs membrane supported millimeter-wave receiver structures" G.Konstantinidis, D.Neculoiu, M.Lagadas, **G.Deligeorgis**, D.Vasilache and A.Muller, **Journal of Micromechanics and Microengineering**, Vol13, Iss3, pp 353-358 (2003) <https://doi.org/10.1088/0960-1317/13/3/301>
44. "Wafer scale integration of GaAs optoelectronic devices with standard Si integrated circuits using a low-temperature bonding procedure" A.Georgakilas, **G.Deligeorgis**, E.Aperathitis, D.Cengher and Z.Hatzopoulos **Applied Physics Letters** Vol 81(27) pp5099 (2002) <https://doi.org/10.1063/1.1531221>
45. "Evaluation of reactive ion etching processes for fabrication of integrated GaAs/AlGaAs optoelectronic devices", E.Aperathitis, D.Cengher, M.Kayambaki, M.Androulidaki, **G.Deligeorgis**, K.Tsagaraki, Z.Hatzopoulos and A.Georgakilas, **Mater. Sci. Eng. B** Volume 80, Issue 1-3 pp. 77-80 (2001) [https://doi.org/10.1016/S0921-5107\(00\)00593-6](https://doi.org/10.1016/S0921-5107(00)00593-6)
46. "Evaluation of performance capabilities of emitters and detectors based on a common MQW structure", D.Cengher, E.Aperathitis, M.Androulidaki, **G.Deligeorgis**, M.Kayambaki, K.Michelakis, Z.Hatzopoulos, P.Tzanetakis and A.Georgakilas, **Mater. Sci. Eng. B** Volume 80, Issue 1-3, pp. 241-244 (2001) [https://doi.org/10.1016/S0921-5107\(00\)00614-0](https://doi.org/10.1016/S0921-5107(00)00614-0)
47. "Micromachined filters for 38 and 77 GHz supported on thin membranes" A. Muller, G.Constantinidis, F.Giaccomozzi, M.Lagadas, **G.Deligeorgis**, S.Iordanescu, I.Petrini, D.Vasilache, R.Marcelli, G.Bartolucci, D.Neculoiu, C.Buiculescu, P.Blondy and D. Dasdcalu, **Journal of Micromechanics and Microengineering**, Vol.11 Iss.4, pp301-305 (2001) <https://doi.org/10.1088/0960-1317/11/4/302>
48. "Molecular beam epitaxy of GaAs/AlGaAs epitaxial structures for integrated optoelectronic devices on Si using GaAs-Si wafer bonding", Z.Hatzopoulos, D.Cengher, **G.Deligeorgis**, M.Androulidaki, E.Aperathitis and A.Georgakilas, in "MBE-XI Conf., Sept. 10-15, 2000, Beijing, China", **J. Crystal Growth** 227-228

pp.193-196 (2001) [https://doi.org/10.1016/S0022-0248\(01\)00661-3](https://doi.org/10.1016/S0022-0248(01)00661-3)

49. “*Comparison of InGaAs/InAlAs electroabsorption modulator structures on (100) and (111) InP substrates*” C.Michelakis, A. Georgakilas, M. Androulidaki, K. Harteros, **G. Deligeorgis**, M. Calamiotou, F. Peiro, N. Becourt, A. Cornet, G. Halkias **Materials Science & Engineering B** pp. 181-184 (1999) [https://doi.org/10.1016/S0921-5107\(99\)00104-X](https://doi.org/10.1016/S0921-5107(99)00104-X)

**Conference
Invited**

1. “*Advances in 2D material electronics*” **G. Deligeorgis** and F. Iacovella Conference Information: **14th International Conference on Nanosciences & Nanotechnologies – NN17** , 4 – 7 July 2018 Thessaloniki, Greece
2. “*Advances in 2D material electronics*” **G. Deligeorgis** and F. Iacovella Conference Information: **14th International Conference on Nanosciences & Nanotechnologies – NN17** , 4 – 7 July 2017 Thessaloniki, Greece
3. “*Graphene and transition metal dichalcogenides for flexible high frequency electronics*” **G. Deligeorgis**, K. Triantopoulos, F. Iacovella, V. Prudkovskiy and G. Stavrinidis Conference Information: **13th International Conference on Nanosciences & Nanotechnologies – NN16** , 2 – 9 July 2016 Thessaloniki, Greece
4. “*2D material based sensors*” *A. Stavrakaki, F. Iacovella, V. Prudkovskiy and G. Deligeorgis* Conference Information: **5th International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems – IC4N 2016** , 26 – 30 June 2016 Porto Heli, Greece
5. “*Graphene ballistic high frequency integrated circuits*” **G.Deligeorgis**, R.Yakimova, G.Stavrinidis and G.Konstantinidis Conference Information: **12th International Conference on Nanosciences & Nanotechnologies – NN15** , 7 – 1 July 2015 Thessaloniki, Greece
6. “*RF and THz detection using two dimensional materials on flexible substrates*” **G.Deligeorgis** Conference Information: **International Microwave Workshop Series on Advanced Materials and Processes for RF and THz applications (IEEE MTT-S IMWS-AMP)**, 1-3 July 2015 Suzhou, China
7. “*Carbon based RF circuits fabrication, putting Silicon aside*” **G.Deligeorgis** and **G.Konstantinidis** Conference Information: **44th European Microwave conference, Workshop on Advances in the 'Carbon Smart Systems for Wireless Applications' WM8**, 5-10 October 2014 Rome, Italy
8. “*Graphene processing*” **G.Deligeorgis** Conference Information: **42nd European Microwave conference, Workshop on graphene RF nanoelectronics W16**, 29 October 2012 Amsterdam, Holland
9. “*Graphene ballistic electronics*” **G.Deligeorgis** Conference Information: **5th International Conference on Micro - Nanoelectronics, Nanotechnologies and MEMS** , 7 – 10 October 2012 Kokkini Hani, Heraklion Crete, Greece
10. “*Graphene electronics past present and future*” **G.Deligeorgis**, **F.Cocchetti**, **G.Konstantinidis** and **R.Plana** Conference Information: **Conference on Nanoscience and Nanotechnology 2012**, 1 – 4 October 2012 Frascati, Italy
11. “*Harvesting graphene's properties for nanoelectronics*” **G.Deligeorgis**, **F.Cocchetti**, **G.Konstantinidis** and **R.Plana** Conference Information: **9th International Conference on Nanosciences & Nanotechnologies – NN12** , 3 – 6 July 2012 Thessaloniki, Greece
12. “*Progress in Graphene Based Devices and Sensors* ” **G.Deligeorgis**, **F.Cocchetti**, **G.Konstantinidis**, **M.Dragoman**, **R.Plana** Conference Information: **2011 IEEE MTT-S International Microwave Symposium (IMS 2011) Workshop on Nanotechnology-enabled RF and Cognitive Devices, Components and Systems**

(WFJ), 5 – 10 June 2011 Baltimore, USA

**Conference
contributed**

13. “*Graphene transistors, present and challenges*” M.Dragoman, G.Deligeorgis, D.Neculoiu, D.Dragoman, G.Konstantinidis, A.Cismaru, R.Plana Conference Information: **European Microwave conference, Workshop on Nanotechnologies WFS02**, 25-29 September 2010 Paris, France
14. “*Fabrication of graphene devices, issues and prospects*” G. Deligeorgis, G. Konstantinidis, M. Dragoman, R. Plana Conference Information: **33rd International Semiconductor Conference CAS**, 10-14 October 2010 Sinaia, Romania
15. “*Graphene oxide hydrogels for tissue engineering applications*” G.Kaklamani, B.Gabritchidze, F.Iacovella, S.H.Anastasiadis and **G. Deligeorgis** **ESB 28th Annual conference of the European Society of Biomaterials (ESB 2017)**, 4 – 8 September 2017, Athens Greece (Poster selected for rapid fire presentation)
16. “*Inkjet – Printed graphene layer by layer on SAW devices for gas detection applications*” I.Nikolaou, H.Hallil, C.Dejous, D.Rebière, **G.Deligeorgis** and V.Conedera **2015 IEEE SENSORS**, Busan, 2015, pp. 1-4. Korea doi:10.1109/ICSENS.2015.7370509
17. “*Back-gate bias of a graphene antenna via a smart background metallization*” M. Aldrigo, M. Dragoman, L. Pierantoni, D. Mencarelli and **G. Deligeorgis** **IEEE, International Semiconductor Conference (CAS), 2015** , 12–14 October 2015, Sinaia Romania
18. “*X band tunable slot antenna with graphene patch*” A.C. Bunea, D. Neculoiu, M.Dragoman, G. Konstantinidis and **G. Deligeorgis** **IEEE, European Microwave Conference (EuMC), 2015**, 7-10 September 2015, Paris France
19. “*Novel SAW gas sensor based on graphene*” I.Nikolaou, H. Hallil, G.Deligeorgis, V. Conedera, H. Garcia, C. Dejous, D. Rebiere **IEEE, 30th Symposium on Microelectronics Technology and Devices (SBMicro), 2015**, 31 Aug – 4 Sept 2015, Salvador,
20. “*Real time VOCs and humidity monitoring based on ultrasensitive graphene- SAW devices*” I.Nikolaou, H. Hallil, G.Deligeorgis, V. Conedera, H. Garcia, C. Dejous, D. Rebiere **Journée CMC2 «Intégration du Matériau au Système de détection chimique résonant»**, May 2015, Bordeaux, France
21. “*Open-thru de-embedding for graphene RF devices*” G.Vincenzi, G. Deligeorgis, F. Coccetti and P.Pons **Proceedings of IEEE International microwave symposium (IMS)**, 1-6 June 2014, Tampa Bay, Florida USA
22. “*Modèle de propagation large bande (DC à 110 GHz) du graphène*” G.Vincenzi, G. Deligeorgis, F. Coccetti and R.Plana **18th Journée Nationales Microondes (JNM)**, 15 – 17 Mai 2013, Paris France
23. “*Ballistic graphene nanostructures for radio wave detection*” G. Deligeorgis, F. Coccetti and G.Konstantinidis **4th International conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems (IC4N)**, 16 – 20 June 2013, Corfu Greece
24. “*Modeling and Optimization of a RF Ballistic Graphene Demodulator*” F.Coccetti, R. Plana and **G. Deligeorgis** **IEEE International Microwave Symposium (IMS)**, 2 – 7 June 2013, Seattle, USA
25. “*The role of polarization field in hysteresis phenomena in double barrier AlGaIn/GaN(0001) RTDs*” X.Dimizas, P.Dimitrakis, **G.Deligeorgis** and E.Iliopoulos **37th Workshop on Compound Semiconductor Devices and Integrated Circuits held in Europe (WOCSDICE 2013)**, 26-29 May 2013, Warnemünde, Germany
26. “*Modèle du graphène et ses parasites de contact de DC à 110 GHz*” G.Vincenzi,

- G.Deligeorgis**, F.Cocchetti, R.Plana **18èmes Journées Nationales Microondes**, 15 – 17 May 2013, Paris, France
27. “*Double barrier AlGaN/GaN (0001) resonant tunneling diodes: The effects of polarization fields*” X.Dimizas, P.Dimitrakis, **G.Deligeorgis** and E.Iliopoulos **17th EuroMBE**, 10-13 March 2013, Levi, Finland
 28. “*Graphene nanoribbon ballistic devices for RF detection* ” **G.Deligeorgis**, F.Cocchetti, G.Konstantinidis and R.Plana **A European Conference/Workshop on the Synthesis, Characterization and Applications of Graphene** 27-30 September 2012, Mykonos, Greece
 29. “*Polarization Resolved Single Dot Spectroscopy of (211) B InAs Quantum Dots*” S.Germanis, GE dialynas, **G.Deligeorgis**, PG Savvidis, Z.Hatzopoulos N.T. Pelekanos, Jhm and H.Cheong **AIP Conference proceedings-American Institute of Physics** Vol.1399 pp.417 (2011)
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