

List of Joint-Publications in international peer-reviewed journals involving two or more Action's partners, published or submitted since 2013 - Year 2.

1. M. Penza, P. Martin, J. Yeow, *Gas Sensing Fundamentals*, Book Chapter: *Carbon Nanotube Gas Sensors*, edited by Springer (online edition), 2012 accepted.
2. A. Lloyd Spetz, J. Huotari, C. Bura, J. Lappalainen, H. Jantunen, A. Schütze, M. Andersson, *Chemical sensor systems for emission control from combustions*, *Sensors and Actuators B* 2012, doi: 10.1016/j.snb.2012.10.078.
3. J. Huotari, J. Lappalainen, J. Puustinen, A. Lloyd Spetz, *Gas sensing properties of pulsed laser deposited vanadium oxide thin films with various crystal structures*, *Sensors and Actuators B*, in press. doi:10.1016/j.snb.2012.12.067.
4. C. Bur, P. Reimann, M. Andersson, A. Lloyd Spetz, A. Schütze, *New method for selectivity enhancement of SiC field effect gas sensors for quantification of NO_x*, *Microsystem Technologies*, Springer-Verlag, Berlin, 18, 7 (2012) 1015-1025. doi: 10.1007/s00542-012-1434-z .
5. C. Bur, P. Reimann, M. Andersson, A. Lloyd Spetz, A. Schütze, *Increasing the selectivity of Pt-gate SiC field effect gas sensors by dynamic temperature modulation*, *IEEE Sensors J.*, 12, 6 (2012) 1906-1913. doi: 10.1109/JSEN.2011.2179645.
6. A. Vásquez Quintero, B. van Remoortere, E.C.P. Smits, J. van den Brand, D. Briand, H.F. M. Schoo, N. F. de Rooij, *Foil-to-foil lamination and electrical interconnection of printed components on flexible substrates*, Accepted in *Microelectronic Engineering*.
7. J. Courbat, L. Yue, S. Raible, D. Briand, N.F. de Rooij, *Drop-coated metal-oxide gas sensor on polyimide foil with reduced power consumption for wireless applications*, *Sensors and Actuators B* 161 (2012) 862-868.
8. J. Rossignol, G. Barochi, B. de Fonseca, J. Brunet, M. Bouvet, A. Pauly, L. Markey, *Microwave-based gas sensor with phthalocyanine film at room temperature*, *Sensors and Actuators B* (2013) doi: 10.1016/j.snb.2013.03.092.
9. M. Bouvet, J.-M. Suisse, T. Sizun, A. Kumar, G. Barochi, B. De Fonseca, J. Rossignol, *The multimodal detection as a tool for molecular material-based gas sensing*, *Sensors and Actuators B* (2012) doi.org/10.1016/j.snb.2012.10.083.
10. T.-H. Nguyen, E. Chevallier, J. Garcia, T.-D. Nguyen, A.-M. Laurent, Cl. Beaubestre, P. Karpe, T.-H. Tran-Thi, *Innovative Colorimetric Sensors for the Detection of Nitrogen Trichloride at ppb Level*, *Sensors & Actuators B*, (2013), submitted.
11. J. Hue, M. Dupoy, T. Bordy, R. Rousier, S. Vignoud, T.-H. Tran-Thi, C. Rivron, L. Mugherli, Y. Bigay, P. Karpe, *Benzene detection by absorbance in the range of 20 ppb-100 ppb. Application: Quality of indoor air*, M. Charbonnier, *Sensors & Actuators B*, (2013), <http://dx.doi.org/10.1016/j.snb.2013.03.047>.
12. T.-H. Tran-Thi, W. Wang, S. Mariano, L. Mugherli, C. Rivron, Y. Bigay, S. Colomb, P. Karpe, E. Chevallier et C. Belon, *Des nanoréacteurs chimiques aux capteurs de polluants. Un exemple de transfert technologique*, *l'actualité chimique*, Valorisation de la recherche, N°366, Septembre 2012.
13. M.N. Descamps, T. Bordy, J. Hue, S. Mariano, G. Nonglaton, E. Schultz, T.H. Tran-Thi, S. Vignoud-Despond, *Real-time detection of formaldehyde by a sensor*; *Sensors & Actuators B* 170 (2012) 104–108.
14. M. Mead, O. Popoola, G. Stewart, P. Landshoff, M. Calleja, M. Hayes, J. Baldovi, M. McLeod, T. Hodgson, J. Dicks, A. Lewis, J. Cohen, R. Baron, J. Saffell, R. Jones, *The use of electrochemical sensors for monitoring urban air quality in low-cost, high-density networks*; *Atmospheric Environment* 70 (2013) 186-203.
15. Hertel, O., Skjøth, C.A., Reis, S., Bleeker, A., Harrison, R., Cape, J.N., Fowler, D., Skiba, U., Simpson, D., Jickells, T., Kulmala, M., Gyldenkerne, S., Sørensen, L.L., Erismann, J.W., and Sutton, M., 2012. *Governing processes for reactive nitrogen compounds in the European atmosphere*. *Biogeosciences*, 9,

4921-4954, <http://dx.doi.org/doi:10.5194/bg-9-4921-2012>,
<http://www.biogeosciences.net/9/4921/2012/bg-9-4921-2012.html>

- 16.** Haberl, H., Sprinz, D., Bonasountas, M., Cocco, P., Desaubies, Y., Henze, M., Hertel, O., Johnson, R.K., Kastrup, U., Laconte, P., Reenberg, A., van den Hove, S., Vermeire, T., Wadhams, P., and Searchinger, T., 2012, *Correcting a fundamental error in greenhouse gas accounting related to bioenergy*. Energy Policy, 45, 18-23. <http://dx.doi.org/10.1016/j.enpol.2012.02.051>
- 17.** Skjøth, C.A., and Hertel, O., 2013, *Ammonia emissions in Europe*, Chapter xx In Urban Air Quality in Europe, Springer Press. (Ed. Mar Viana) In press (Published June 2013).

List of Action's Outreach activities: conference talks, seminars, workshops, Ph.D. defenses, short notes, interviews, lectures, leaflets, flyers where the Action aims and scope were presented to a broader audience - Year 2.

1. M. Penza (ENEA, IT), *Overview of COST Action TD1105 EuNetAir*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
2. J. R. Morante (IREC, ES), *Chemical NanoSensors and Microsystems for Air Pollution Detection*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
3. E. Llobet (URV, ES), *Carbon Nanomaterials for Environmental Monitoring Sensors*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
4. D. Schonauer-Kamin (University of Bayreuth, DE), *SCR-catalyst materials for exhaust gas detection*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
5. A. Ponzoni (CNR-IDASC, IT), *Surface Ionization on Metal Oxide Gas Sensors*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
6. D. Briand (EPFL, CH), *Microsystems-based Technologies for Air-Pollutant and Gas Detection*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
7. A. Schuetze (Saarland University, DE), *Chemical Sensors for Indoor Applications*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
8. A. Lloyd-Spetz (Linkoping University, SE), *Chemical sensor systems for emission control from combustions*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
9. S. Brongersma (IMEC-Holst, NL), *Low Power Sensor Systems Technologies for Environmental Air-Monitoring*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
10. R. Jones (University of Cambridge, UK), *Electrochemical Sensors for Environmental Monitoring in Cities*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
11. S. De Vito (ENEA, IT), *Wireless Sensors Network for Air Quality Control*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.
12. J. W. Gardner (University of Warwick, UK), *New Approaches to Chemical Sensing for Application in Environmental Monitoring: Smart Sensors and Artificial Olfactory Mucosa*, given at 14th International Meeting on Chemical Sensors (IMCS-2012), Nurnberg (Germany), 20-23 May 2012. INVITED TALK in a Special Session Part I and Part II with other 12 Speakers from COST Action *EuNetAir* inside IMCS-2012.

13. M. Penza (ENEA, IT), *Overview of COST Action TD1105 EuNetAir*, given at VIII International Workshop on Semiconductor Gas Sensors (SGS-2012), Cracow (Poland), 11-15 September 2012. INVITED TALK in an Open Special Session with other 6 Speakers from COST Action *EuNetAir* inside SGS-2012.
14. J. D. Prades (Universitat de Barcelona, ES), *Nanowires for low power consumption gas sensors*, given at VIII International Workshop on Semiconductor Gas Sensors (SGS-2012), Cracow (Poland), 11-15 September 2012. INVITED TALK in an Open Special Session with other 6 Speakers from COST Action *EuNetAir* inside SGS-2012.
15. A. L. Ndiaye (Université Blaise Pascal, FR), *Carbon nanotubes-based gas sensors for pollutants: Elaboration methods for NO₂ and BTX detection*, given at VIII International Workshop on Semiconductor Gas Sensors (SGS-2012), Cracow (Poland), 11-15 September 2012. INVITED TALK in an Open Special Session with other 6 Speakers from COST Action *EuNetAir* inside SGS-2012.
16. Z. Z. Ozturk (GEBZE Institute of Technology, TR), *TiO₂ Nanotubes Based Heterostructures For Gas Sensing Applications*, given at VIII International Workshop on Semiconductor Gas Sensors (SGS-2012), Cracow (Poland), 11-15 September 2012. INVITED TALK in an Open Special Session with other 6 Speakers from COST Action *EuNetAir* inside SGS-2012.
17. R. Ionescu (URV, ES), *Array of Polycyclic Aromatic Hydrocarbons and Carbon Nanotubes for Accurate and Predictive Detection of Volatile Organic Compounds under Real-World Environmental Humidity Conditions*, given at VIII International Workshop on Semiconductor Gas Sensors (SGS-2012), Cracow (Poland), 11-15 September 2012. INVITED TALK in an Open Special Session with other 6 Speakers from COST Action *EuNetAir* inside SGS-2012.
18. J. Lappalainen (Oulu University, FI), *Tailoring of WO₃ and V₂O₅ Nanostructures for Gas Sensing Applications*, given at VIII International Workshop on Semiconductor Gas Sensors (SGS-2012), Cracow (Poland), 11-15 September 2012. INVITED TALK in an Open Special Session with other 6 Speakers from COST Action *EuNetAir* inside SGS-2012.
19. J. Brunet (Université Blaise Pascal, FR), *Original sensing devices based on phthalocyanines and nanocarbons for the monitoring of atmospheric gaseous pollution*, given at VIII International Workshop on Semiconductor Gas Sensors (SGS-2012), Cracow (Poland), 11-15 September 2012. INVITED TALK presented as supported by the *COST Action EuNetAir* and in agreement with the main objectives of this Action.
20. M. Penza (ENEA, IT), *Overview of COST Action TD1105 EuNetAir*, given at International Workshop on Information Systems for Quality of Life Services (ISQL-2012), Halkidiki (Thessaloniki, Greece), 27-30 September 2012. INVITED TALK in an Open Tutorial with other 3 Speakers from COST Action *EuNetAir* inside ISQL-2012.
21. J. Theunis (VITO, BE), *New approaches in outdoor air quality monitoring: mobile sensing, participatory sensing and sensor networks*, given at International Workshop on Information Systems for Quality of Life Services (ISQL-2012), Halkidiki (Thessaloniki, Greece), 27-30 September 2012. INVITED TALK in an Open Tutorial with other 3 Speakers from COST Action *EuNetAir* inside ISQL-2012.
22. C. Hueglin (EMPA, CH), , given at International Workshop on Information Systems for Quality of Life Services (ISQL-2012), Halkidiki (Thessaloniki, Greece), 27-30 September 2012. INVITED TALK in an Open Tutorial with other 3 Speakers from COST Action *EuNetAir* inside ISQL-2012.
23. I. Bryntse (SenseAir, SE), ., given at International Workshop on Information Systems for Quality of Life Services (ISQL-2012), Halkidiki (Thessaloniki, Greece), 27-30 September 2012. INVITED TALK in an Open Tutorial with other 3 Speakers from COST Action *EuNetAir* inside ISQL-2012.
24. M. Penza (ENEA, IT), *Overview of COST Action TD1105 EuNetAir*, given at 4th International Symposium on Transparent Conductive Materials (TCM-2012), Hersonissos (Crete, Greece), 21-26 October 2012. INVITED TALK in an Open Satellite Workshop with other 5 Speakers from COST Action *EuNetAir* inside TCM-2012.
25. A. Goldoni (ELETTRA, IT), *Carbon nanotubes as chemical sensors: true and false stories*, given at 4th International Symposium on Transparent Conductive Materials (TCM-2012), Hersonissos (Crete, Greece), 21-26 October 2012. INVITED TALK in an Open Satellite Workshop with other 5 Speakers from COST Action *EuNetAir* inside TCM-2012.

26. A. Romano-Rodriguez (Universitat de Barcelona, ES), *Localized growth and in situ integration of metal-oxide nanowires for gas-sensing applications*, given at 4th International Symposium on Transparent Conductive Materials (TCM-2012), Hersonissos (Crete, Greece), 21-26 October 2012. INVITED TALK in an Open Satellite Workshop with other 5 Speakers from COST Action *EuNetAir* inside TCM-2012.
27. J. Saffell (Alphasense Ltd, UK), *Materials advances for ppb gas detection*, given at 4th International Symposium on Transparent Conductive Materials (TCM-2012), Hersonissos (Crete, Greece), 21-26 October 2012. INVITED TALK in an Open Satellite Workshop with other 5 Speakers from COST Action *EuNetAir* inside TCM-2012.
28. C. Rusti (IMNR, RO), *High pressure chemical processes for the development of new nanostructured complex systems*, given at 4th International Symposium on Transparent Conductive Materials (TCM-2012), Hersonissos (Crete, Greece), 21-26 October 2012. INVITED TALK in an Open Satellite Workshop with other 5 Speakers from COST Action *EuNetAir* inside TCM-2012.
29. M. Penza (ENEA, IT), *Overview of COST Action TD1105 EuNetAir*, given at XVII Italian National Meeting on Sensors and Microsystems, Brescia (Italy), 5-7 February 2013. INVITED TALK.
30. M. Penza (ENEA, IT), *Overview of COST Action TD1105 EuNetAir*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
31. A. Borowiak (JRC-Ispra, IT), *The AQUILA Network for Air Quality Assurance and Quality Control Programmes in Europe*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
32. O. Turok (Marzeyev Institute, UA), *Air Quality in Ukraine: Measurement Methods and Applied Technologies*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
33. H. Gawronska (Warsaw University of Life Science, PL), *Measurement of PM Pollutants Accumulated on Plants Leaves in Poland*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
34. Z. Ferenczi (Hungarian Meteorological Service, HU), *Air Quality Measurements and Modelling in Hungary*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
35. R. Zabkar (University of Ljubljana, SI), *Air Quality Modelling in Slovenia*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
36. S. Chicherin (Main Geophysical Observatory, RU), *Assessment of Air Quality in Cities of Russian Federation: Monitoring, Modeling, Health Aspects*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
37. O. Kislova (SEPI Mosecomonitoring, RU), *Air Quality Monitoring System in the Moscow Region: Measurement Methods and Techniques*, given at *Special Session Environmental Case-Studies and*

Critical Hot-Spots from Mediterranean, Central and Eastern Europe inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.

38. D. Syrakov (Bulgarian Academy of Sciences, BG), *Emergency Response and Chemical Weather Forecast Systems in NIMH, Bulgaria*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
39. I. Steinberga (University of Latvia, LV), *Air Quality Modelling in Latvia: Challenges and Failures*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
40. G. Mocnik (Aerosol doo, SI), *Source Apportionment of Carbonaceous Aerosols and Other Pollutants in Central Europe*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
41. I. Atanasov (Ministry of Environment and Physical Planning, MK), *Air Quality Monitoring in the Republic of Macedonia*, given at *Special Session Environmental Case-Studies and Critical Hot-Spots from Mediterranean, Central and Eastern Europe* inside AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013. INVITED TALK in the Open AMT Workshop with other 12 Speakers from COST Action *EuNetAir* inside AirMonTech workshop.
42. R. L. Jones, (University of Cambridge, UK), *Small is beautiful, low cost sensor networks start to show what they can do*, INVITED TALK as part of the AirMonTech (AMT) FP7 project workshop, Duisburg (Germany), 4-6 March 2013.
43. Danick Briand (EPFL, CH) *et al.*, *Fully Inkjet-Printed Parallel-Plates Capacitive Gas Sensors on Flexible Substrate*, IEEE Sensors Conference, Special Session: Bending/stretchable sensors and systems, Taipei, Taiwan, October 28-31st 2012. ORAL LECTURE.
44. Danick Briand (EPFL, CH) *et al.*, *All additive inkjet printed capacitive chemical gas sensors on flexible foil*, ICT OPEN 2012, Rotterdam, The Netherlands, October 22-23rd 2012.
45. Danick Briand (EPFL, CH) *et al.*, *Integration of flexible devices into smart textile*, 1st Workshop on Materials Science and Technology, Bari, Italy, January 18th 2012.
46. J. Brunet (Université Blaise Pascal, FR), *Nanocarbonaceous filters for the achievement of highly sensitive and selective NO₂ monitoring by means of phthalocyanine-based resistive sensors*, given at the 26th European conference on solid-state transducers (Eurosenors 2012), Cracow (Poland), 9-12 September 2012, Cracow (Poland). ORAL LECTURE presented as supported by the COST Action *EuNetAir* and in agreement with the main objectives of this Action.
47. M. Bouvet, *Overview of the COST Action TD1105 EuNetAir*, given at the Meeting of the Club des Microcapteurs Chimiques (CMC2; Club of Chemical Microsensors), Nantes, France, 2012.
48. A. Lloyd Spetz, Z. Darmastuti, J. Huotari, C. Bur, R. Bjorklund, N. Lindqvist, J. Lappalainen, J. Jantunen, A. Schütze, M. Andersson, *Chemical sensor systems for environmental and emission control*, Proc. SPIE Defense, Security + Sensing, April 29-May 3, 2013, Baltimore, USA. INVITED TALK.
49. J. Hue, M. Dupoy, S. Vignoud, T. Tran-Thi, S. Karpe, A. Novelli-Rousseau, F. Mallard, *Towards a tuberculosis diagnosis through the exhaled breath. A liquid fluorimeter with an excitation at 265 nm*, BIOS 2013, 2-7 Feb. 2013, San Francisco, USA.
50. T.-H. Nguyen, J. Garcia, T.-D. Nguyen, A.-M. Laurent, C. Beaubestre, L. Mughherli and T.-H. Tran-Thi, *Innovative Glass Sensor for the Colorimetric Detection of Nitrogen Trichloride*, 18th International Symposium on Non-Oxide and New Optical Glasses-ISNOG, St. Malo (France), July 1-5 2012.
51. W. Bamogo, S. Crunaire, C. Rivron, L. Mughherli, T.-H. Tran-Thi, *Chemical sensor for the detection of aromatic hydrocarbons in work places*, Madica 2012, Sousse (Tunisie), 7-9 November 2012.

52. T.-H. Nguyen, J. Garcia, T.-D. Nguyen, E. Chevallier, P. Karpe, A.-M. Laurent, C. Beaubestre, T.-H. Tran-Thi, *Chemical and Colorimetric Sensors for the Detection of Nitrogen Trichloride at ppb Level*, Atmos'Fair, 26-27 Sept. 2012, Lyon (France).
53. S. Crunaire, T.-H. Tran-Thi, K.-Q. Ngo, P. R. Marcoux, J.-P. Moy and F. Mallard, *Early bacteria detection using functionalized nanoporous silica xerogels*, IC-ANMBES 2012, 24-27 May 2012, Brasov (Romania).
54. "Experimentation with low-cost commercially available AQ sensors", Thomas Sioumis, Diploma Thesis, in progress. Aristotle University, Dept. of Mechanical Engineering, Informatics Systems and Applications Group, Thessaloniki, Greece. Thesis supervisor: Prof. K. Karatzas.
55. "Participatory sensing for quality of life", Athanasios Panagiotidis. 4th year project at the Dept. of Informatics, University of Edinburgh, in progress. Supervisors: Prof. John Lee and Prof. Kostas Karatzas.
56. J. Saffell, R. Baron (Alphasense, UK), M. Mead, R. Jones (University of Cambridge), *Measuring ppb Gas Concentrations in Air Quality Networks*, given at the 13th Topical Meeting International Society of Electrochemistry, Pretoria (South Africa), April 2013.
57. J. Saffell, R. Baron (Alphasense, UK), M. Mead, R. Jones (University of Cambridge), *Use of low cost wireless networks to monitor indoor air quality*, given at the 2013 Annual UK Review Meeting on Outdoor and Indoor Air Pollution Research, Cranfield University, April 2013.
58. J. Saffell (Alphasense, UK), *Measuring ppb Gas Concentrations in Air Quality Networks using Low Cost Sensors*, given at the AAMG conference, London December, 2012.
59. I. Bryntse, *How gas sensors create a Healthy Environment and Save Costs*, given at Dept. of General and Inorganic Chemistry Vilnius University, 20-21 May 2013. INVITED TALK with COST EuNetAir focus, supported by Teaching Visits of Invited Staff of NonAcademic Organizations under the Erasmus Programme.
60. Hertel, O., Jensen, S.S., Ellermann, T., Ketzler, M., Skjøth, C.A., Becker, t., Peel, R.G., Viuf, P., Raaschou-Nielsen, O., Sørensen, M., Bräuner, E.V., Andersen, Z.J., Loft, S., Schlünssen, V., Bønllykke, J., and Sigsgaard, T. *Modelling of traffic generated air pollution and human exposure*, Qatar Clean Air Research (QCAR) workshop 23-24 April 2012, E.S. Centre, Doha University, Qatar.
61. Hertel, O., *Assessment of exposure to airborne pollutants and allergens in relation to health effects in the population - methodologies, results and perspectives*. CIRRAU Kick-off Seminar, 28 September 2012, Centre for Registerbased Research, Auditorium 2, Søauditorierne, Aarhus University.
62. G. Kiriakidis, V. D. Binas, "Advances on Photocatalytic materials for indoor depollution processes" 9th International Conference on Physics of Advanced Materials, ICPAM-9, Iasi, Romania, September 20-23, 2012 (INVITED TALK).

OUTREACH activities

1. M. Penza (ENEA, IT), *INTERVIEW on Nantechnologies and Nanosensors for Air Quality Monitoring from Action Chair (M. Penza) to Dr. Meyya Meyyappan (Chief Scientist), NASA Ames Research Center*, given at 1st Scientific International Meeting of COST Action TD1105, Rome (Italy), 4-6 December 2012. Video-Audio at Action webpages (www.cost.eunetair.it).
2. M. Penza (ENEA, IT), *INTERVIEW on News of the Action Meeting to Italian ENEA Web-TV on Science and Technology* (<http://www.youtube.com/eneanews>; <http://www.enea.it/it>) from M. Penza (Action Chair), ENEA, Italy; Dr. Meyya Meyyappan (Chief Scientist), NASA Ames Research Center, CA (USA); Dr. Hans-Guido Muecke, WHO Europe CC at Federal Environmental Agency, Berlin (Germany) given at 1st Scientific International Meeting of COST Action TD1105, Rome (Italy), 4-6 December 2012. Video-Audio at Action webpages (www.cost.eunetair.it).
3. M. Coutinho (IDAD, PT), dissemination of the COST Action TD1105 activities at the IDAD website (www.ua.pt/idad/).
4. A. Lloyd Spetz, Z. Darmastuti, J. Huotari, C. Bur, R. Bjorklund, N. Lindqvist, J. Lappalainen, J. Jantunen, A. Schütze, M. Andersson, *Improved chemical sensors track and control emissions*, SPIE News, 2013, in press.

5. T.-H. Tran-Thi, *Invited Lecture on Technology transfer and spin-off creation*, 22 November 2012, CNRS Gif-sur-Yvette.
6. T.-H. Tran-Thi, *INTERVIEW on Colorimetric sensors for the detection of indoor air pollutants*, by Dorothée Laperche for the journal: Actu-Environnement, October 2012.
7. T.-H. Tran-Thi, *Ultra-sensitive sensors for the detection of gaseous compounds. Production and application to Environment and health*, Colloques de l'Orme des Merisiers, 31 May 2012, Gif-sur-Yvette. (Séminaire du CEA filmé) <http://www-centre-saclay.cea.fr/fr/Les-colloques-de-L-Orme>.
8. T.-H. Tran-Thi, *Formaldehyde sensor* on radio RTL: [écouter le podcast](#)
9. Thesis defense: Laure-Hélène Guillemot (Oct. 2009 - Oct. 2012), *Chemical sensors based on sol-gel matrices with optical transduction for the detection of microbial volatile organic compounds*. PhD Thesis defense, 19 Oct. 2012, Grenoble (France).
10. Hertel, O.: *"How do we as private citizens protect ourselves from city smog"* (in Bulgarian). Interview by Bossileva Melteva for the newspaper Green Dnevnik, Sofia in Bulgaria. 6 February 2013. http://www.dnevnik.bg/zelen/2013/02/06/1990508_kak_sami_da_se_spasim_ot_gradskiia_smog/
11. Hertel, O: Lecturer at briefing for Environmental Journalist at the European Environment Agency, 14-15 January 2013. Lecture: *"What is air pollution and why is it a problem"* and excursion to monitoring site at H.C. Andersens Boulevard bringing portable personal exposure monitors.
12. George Kiriakidis (FORTH, Greece): Vice-Chairman, National Advisory Committee, XI International Conference on Nanostructured Materials, Nano-2012, 26-31 August 2012, Rhodes, Greece.
13. George Kiriakidis (FORTH, Greece): 2012 Organizer/Chairman of the "4th International Symposium on Transparent Conducting Materials" TCM-2012, Crete, October 21-25, 2012.
14. George Kiriakidis (FORTH, Greece): 2012 International Advisory Committee member, 9th International Conference on Physics of Advanced Materials, ICPAM-9, Iasi, Romania, September 20 and 23, 2012.
15. *Action NEWSLETTER: Issue 1 and Issue 2*; edited by Editorial Board, chaired by Prof. Ralf Moos, and managed by Dr. Daniela Schonauer-Kamin (University of Bayreuth, Germany). (see Action website).
16. *Action BROCHURE/LEAFLET: Issue 1*; edited by Editorial Board, chaired by Prof. Ralf Moos, and managed by Dr. Daniela Schonauer-Kamin (University of Bayreuth, Germany). (see Action website).
17. *Action's website was published*: <http://www.cost.eunetair.it/>