Poster List
Tuesday, May 3, 2011

A. Breath Analysis

1. Exhaled breath analysis for the monitoring of elderly COPD patients health-state
   Giorgio Pennazza
   University of Rome, Italy

2. Monitoring the halitosis with an electronic nose
   Giorgio Pennazza
   University of Rome, Italy

3. Hand held numeric prototype for breath analyzing
   Aditya Shyam Ambre
   State University of New York at Stony Brook, USA

4. An electronic nose distinguishes the exhaled breath condensates obtained by two different devices and two different breath patterns
   Andreas Rembert Koczulla
   Philipps-Universitat Marburg, Germany

5. An electronic nose based on hybrid MOS-SAW sensors for detection of different biomarkers of lung cancer
   Ping Wang
   Zhejiang University, China

   Ping Wang
   Zhejiang University, China

7. Portable gas sensor for breath analysis
   Marco Righettoni
   ETH Zurich, Switzerland

8. Continuous exhaled breath analysis on the ICU: Feasibility study
   Lieuwe DJ Bos
   Academic Medical Center, The Netherlands

9. Nanosensor array-based breath analyzer for disease diagnosis
   Perena Gouma
   Stony Brook University, USA
B. Quality Control

10. A supervised feature extraction method for GCMS data based on PLS: Application to the detection of adulterated olive oil
   Eugenio Martinelli
   University of Rome, Italy

11. Portable electronic nose to discriminate artificial aged wine from barrel-aged wine
    Jose Pedro Santos
    CSIC, Spain

12. Using a multi-way analysis for the application of an electronic noses in wine quality control
    N. Prieto
    University of Valladolid, Spain

13. Aroma analysis by GC/MS and electronic nose dedicated to negroamaro and primitivo typical apulian wines
    Simonetta Capone
    IMM-CNR, Italy

14. Olive oil headspace characterization by a gas sensor array
    Corrado Di Natale
    University of Rome, Italy

15. Detection of acetic acid in wine by means of an electronic nose
    Jose Pedro Santos
    Universidad de Extremadura, Spain

16. An ‘olfactory fatigue’ measurement method for chinese liquors classification with a metal oxide gas sensor array
    Shunping Zhang
    Huazhong University of Science and Technology, China XLD 4/29

17. A combined gas and liquid chemical sensors array for fuel adulteration detection
    Corrado Di Natale
    University of Rome Tor Vergata
C. Electronic Tongue

18. Novel sensors for the artificial mouth
   Patrick Mielle
   INRA, UMR CSGA, France

19. Use of an electronic tongue to detect geosmin in distilled water
   Guilherme de Souza Braga
   University of Sao Paulo, Brazil

20. Assessment of volatile sulfur compounds production by select oral bacteria with cysteine and methione as substrates measured by OralChroma™
   Nathanael Salako
   Kuwait University, Kuwait

21. Fusion of potentiometric & voltammetric electronic tongue for classification of black tea taste based on theaflavins (TF) content
   Nabarun Bhattacharyya
   CDAC, Kolkata, India

22. Portable e-Tongue based on multi-channel LAPS array with PVC membrane for rapid environment detection
   Ping Wang
   Zhejiang University, China

23. Data fusion from voltammetric and potentiometric sensors to build a hybrid electronic tongue applied in classification of beers
   Manel del Valle
   University of Barcelona, Spain

24. Discrimination of soils and assessment of some soil fertility parameters using an electronic tongue
   Manel del Valle
   University of Barcelona, Spain

25. An impedancemetric electronic tongue for discrimination of adulteration process of ethanol fuel with water
   Thiago Paixao
   University of Sao Paulo, Brazil

26. Sensory evaluation and electronic tongue analysis for sweetener recognition in coke drinks
   Daniel Szollosi
   Corvinus University of Budapest, Hungary
27. Development of taste sensing system using inorganic membrane
   Yohichiro Kojima
   Tomakomai National College of Technology, Japan

D. Sensor Nanomaterials

28. Sensing characteristic of polyaniline/TiO2 nanocomposites
   Jeung Soo Huh
   Kyungpook National University, Korea

   Jusand Lee
   SUNY at Stony Brook, USA

30. Tunneling through surface barrier and oxygen in-diffusion in nanostructured SnO2 gas sensors
   Cesare Malagu
   University of Ferrara, Italy

31. TiO2 nanostructures for gas sensing room temperature
   Daniel Rodriguez
   Commission Nacional de Energia Atomica

32. Headspace analysis of Philippine civet coffee beans using gas chromatography mass spectrometry and electronic nose
   Matteo Falasconi
   CNR-IDASC Sensor, Italy
E. Environmental Monitoring

33. A gas sensor array for environmental air monitoring: A study case of application of artificial neural networks
   Marco Alvisi
   ENEA, Italy

34. Development of an electronic nose for environmental monitoring: detection of specific environmentally important gases at their odor detection threshold concentration
   Licinia Dentoni
   Politecnico di Milano, Italy

35. Cumulative measurement principle for the detection of small amounts of gaseous species
   Andrea Geupel
   University of Bayreuth, Germany

36. Electronic nose system combined with membrane interface probe for detection of VOCs in water
   Junghwan Cho
   University of Massachusetts Lowell, USA

37. Electronic noses implantation on landfill site
   Genevieve Carayon
   ALPHA MOS, France

38. Hand-held device for monitoring dissolved organics in fresh and recycled water on ppb levels
   Serge Zhuiykov
   Commonwealth Scientific Industrial Research Org., Australia

39. Pursuing contamination detection on aircraft CFRP surfaces by artificial olfaction techniques
   Saverio De Vito
   ENEA UTTP/MDB, Italy

40. Tin oxide nanowire sensors and their potential for selective detection of the toxic gases SO2 and H2S
    Anton Koeck
    AIT, Austria

41. Microwave-hydrothermal synthesis and vibrational spectroscopy of nanostructured (Ni,Mn,Co)SB2O6 compounds for chemical sensing
    Anderson Dias
    Federal University of Ouro Preto, Brazil
F. Sensing Complex Odors

42. Discrimination of body odor using odor sieving sensor system
   Tadashi Takamizawa
   U.S.E. Co., Ltd., Japan

43. Towards an analogue neuromorphic VLSI instrument for the sensing of complex odours
   Julian Gardner
   University of Warwick, United Kingdom

44. Optimizing the operating temperature for an array of MOX sensors on an open sampling system
   Marco Trincavelli
   Orebro University, Sweden

45. Portable e-Nnose and multivariate data analysis to identify different kinds of drugs
   Benachir Bouchikhi
   Moulay Ismail University, Morocco

46. Development of odor gas sensor using TiO$_2$ nanostructures
   Jeung Soo Huh
   Kyungpook National University, Korea

47. Odour profile of different varieties of extra-virgin olive oil during deep-frying using an electronic nose and SPME-GC-FID
   Valeria Messina
   CINSO, Argentina

48. Odour profile and colour characteristics of waxy brakedown paralysis process in garlic assessed by instrumental methods
   Valeria Messina
   CINSO, Argentina

49. Odors discrimination by olfactory epithelium biosensor
   Ping Wang
   Zhejiang University, China

50. Odour mapping under strong backgrounds with a metal oxide sensor array
   Andrey Ziyatdinov
   ESAII, Spain

51. A portable gas sensor system for environmental monitoring and malodours control: Data assessment of an experimental campaign
   Marco Alvisi
   ENEA, Italy
52. **Temperature centric evaluation of sensor transients**  
   Alexander Vergara  
   University of California, San Diego, USA

53. **Gas identification by dynamic measurements of SnO2 sensors**  
   Daniel Rodriguez  
   Commission Nacional de Energia Atomica, Argentina

54. **Ensemble classifier strategy based on transient feature fusion in electronic nose**  
   Mohammad Ali Bagheri  
   Tarbiat Modares University, Tehran

G. **Sensor Systems**

55. **A flexible gas sensor for the integration into smart textiles**  
   Thomas Kinkeldei  
   ETH Zurich, Switzerland

56. **An on-chip multi-class support vector machine applied to portable electronic nose data classification**  
   Yao-Sheng Liang  
   National Tsing Hua University, Taiwan

57. **Towards a low-power miniaturized micromechanical electronic nose**  
   Sywert H. Brongersma  
   Holst Centre / IMEC, Holland
Thursday, May 5, 2011 (continued)

H. Biosensors & Bio-inspired Systems

58. Biosensor based on olfactory receptors immobilization for the detection of odorant compounds
   Marta Sanmarti
   IBEC, Spain

59. Cystic fibrosis sweat patch
   Gagan Jodhani
   Stony Brook University, USA

60. Molecularly imprinted polymer based sensor for the detection of theophylline
   Guilherme de Souza Braga
   University of Sao Paulo, Brazil

61. Metal ion binding motifs in vertebrate olfactory receptors
   Ken Suslick
   University of Illinois at Urbana-Champaign, USA

62. VLSI implementation of a bio-inspired olfactory spiking neural network
   Hung-Yi Hsieh
   National Tsing Hua University, Taiwan

63. Estimation of theaflavins (TF) and thearubigins (TR) ratio in black tea liquor using electronic vision system
   Abhra Pal
   C-DAC (K), India

64. Classification of optical-sensor response cues with a bi-dimensional wavelet-transform approach
   Jose Murguia
   Bio Circuits Institute, USA

65. Biomimetic transducting support for enhanced explosive detection thresholds
   Nelly Piazzon
   ISL, France
   was originally in session F