Tuesday, 28th July

Lecture Hall Building

Time: 16:30 – 18:30

Poster Session 2

Catalysis

1. Alexandre Goguet, **Stabilization of ionic gold supported on sulphated lanthanum oxide**
2. Jürgen Arras, **Polyaniline supported gold nanoparticles in chemocatalysed reactions**
3. Mariachiara Trapani, **Synthesis of Au/$Mg(OH)_2$ catalysts by deposition precipitation Candida**
4. Svetlana Ivanova, **Gold functionalized supported ionic liquids: A valuable catalyst for room temperature CO oxidation**
5. Rodolfo Zanella, **Low temperature CO oxidation and long-term stability of Au/In_2O_3-TiO_2 catalysts**
6. Rodolfo Zanella, **MTBE visible-light photocatalytic decomposition over Au/TiO_2 and Au/ TiO_2-Al_2O_3 sol-gel prepared catalysts**
7. Lyuba Ilieva-Gencheva, **Gold catalysts supported on ceria, modified by rear earths for the preferential CO oxidation**
8. Leonarda Francesca Liotta, **Oxidation of propene at low-temperature on nanosized gold supported catalysts: support effect on catalytic activity and durability**
9. Wenjie Shen, **Influence of particle sizes in the Au/ZrO_2 catalysts for WGS reaction**
10. Esther Sulman, **D-Glucose oxidation over gold nanoparticles impregnated in matrix of hypercrosslinked polystyrene**
11. Youquan Deng, **Chemoselective reduction of aromatic nitro compounds over ferric hydroxide supported nanocluster Au catalyst with H_2 or CO in the presence of H_2O**
12. Hui-Li Zhang, **The synthesis of Au/ CeO_2/SiO_2 catalysts and its activity in CO oxidation reaction**
13. Peter Bauer, **Isomerization of linoleic acid to CLAs using gold catalysts**
14. Jennifer Edwards, **Increasing the activity of Au-Pd catalysts for the direct synthesis of hydrogen peroxide**
15. Ramona Saliger, **Selective D-glucose oxidation with H_2O_2 on Au/Al_2O_3-catalyst**
16. Elena Grünewald, **Sodium borohydride vs. hydrogen as reducing agent for supported gold catalysts for glucose oxidation**
17. Daria Pichugina, **How oxygen contacts with gold cluster: charge and defects influence**
18. Christina Mennemann, **Promotional effect of cobalt in the epoxidation of propylene by O_2/H_2 over Au/TS-1 catalysts**
19. Alexey Pestryakov, **Gold catalysts for methanol partial oxidation**
20. Laura Prati, **Single phase Au-Pd catalyst**

21. Lebohang Mokoena, **Oxidation of Carbon Monoxide over Au/Perovskites catalysts**

22. Andreea Gluhoi, **A surface science approach to understand CO and NO chemistry on Au surfaces**

23. Mike Scurrell, **The thrifting of gold in catalysts**

24. Mike Scurrell, **Crystallinity effect and high activity for Au/zirconia for CO oxidation**

25. Valérie Caps, **Molecular design of hybrid titania supports for gold oxidation catalysts**

26. David Aguilar, **Synthesis and catalytic behaviour on CC and CX couplings of cycloaurated complexes derived from iminophosphoranes containing amide substituents. activation of C-Cl bonds**

27. Matteo Cargnello, **Design of active and stable Au catalysts for H_2 purification**

28. Wojciech Lisowski, **XPS study of H_2 and CO interaction with gold supported on Sm doped ceria catalyst**

29. Siriwan Dulnee, **Influence of preparation conditions on the activities of Au/ZnO prepared by photo-deposition for the preferential oxidation of CO**

30. Wissanu Shuenka, **Hydrogen production from the steam reforming of methanol over Au/Fe_2O_3-CeO_2 catalysts**

31. Kulamani Parida, **CO adsorption and oxidation studies over rare earth promoted gold loaded titania**

32. Shingo Tanaka, **First-principles study of novel structure changes of Au/CeO_2(111) interfaces**

33. Miriam Bührle, **Gold Catalysis: Synthesis of 3-Acylindenes from 2-Alkynylarylepoxides**

34. Asun Quintanilla, **Capping agents in Au nanoparticle catalysts: Surface poison or not?**

35. Asun Quintanilla, **One-step synthesis of anisotropic gold nanoparticles by electrospraying**

36. Albert Carley, **Selective alcohol oxidation using Au-Pd catalysts on nanocrystalline ceria prepared by supercritical antisolvent precipitation**

37. James Pritchard, **Evaluation of the preparative route of Au-Pd catalysts for the direct synthesis of hydrogen peroxide**

38. Miguel Angel Centeno, **Molecular dynamics simulation study of gold interaction with modified TiO_2 surfaces**

39. Juan Manuel Serrano-Becerra, **Towards asymmetric hydroxylation and hydroalkoxylation of alkenes**

40. Masatake Haruta, **A comparative study of the catalytic behavior of Pt/CeO_2 and Au/CeO_2 in CO oxidation**

41. Ingo Braun, **Chiral counterions in the enantioselective gold-catalysis**

42. Liane Rossi, **Preparation of magnetically recoverable gold nanoparticles for catalytic applications**

43. Corinne Petit, **Synthesis of supported gold catalyst on mixed oxides : Effect of hydroxides on the grafting of gold**

44. Manuela Bezen, **Au supported on ceria - a new basic catalyst**

45. Siranuysh Badalyan, **The influence of catalytic Au and NiO additives on CO and NO_2 sensing properties of nanocrystalline SnO_2**

46. Catherine Davies, **Green Chemistry for VCM production**

47. Sergi Montserrat, **A gold catalyzed intramolecular [4C+3C]Cycloaddition of Allenedienes. A Mechanistic Analysis**

48. Tanuja Dondeti Ramamurthi, **Synthesis and reactivity of organogold(I) complexes for mechanistic studies**

49. Irina Kolesnik, **Catalytic properties of Au nanoparticles on mesoporous TiO_2 supports**

50. Francesco Mingoia, **$NaAuCl_4$ mediated heteroannullation of internal imines. A mild route for targeted bioactive polycyclics**

51. Sumeya Merad-Bedrane, **Bimetallic gold-palladium catalysts for volatile organic compounds removal**

52. Kristina Wilckens, **Gold-Catalyzed Cycloisomerizations of 1,4-Diynes**

53. Nadia El Kolli, **Controlled synthesis and characterization of supported Au-Pd nanoparticles for selective gas phase hydrogenation of butadiene**

Chemistry

54. Kamel Belhamel, **Simultaneous determination of gold and zinc from highly acidic media by first-derivative spectrophotometry**

55. Declan Burke, **Role of metastable surface states in electrocatalysis at gold surfaces**

56. Ken Cham-Fai Leung, **Supramolecular approach to the preparation of discrete functional gold nanoparticles**

57. Laura Maiore, **New gold(III) complexes with chiral α-diiminic ligands: Synthesis, Reactivity and Structures**

58. Richard Alorro, **Recovery of gold from chloride solution by magnetite**

59. Busiswa Dyan, **Synthesis of gold thiolate complexes and their reactions with sulphur dioxide**

60. Tünde Tunyogi, **Spontaneous resolution of a 16-membered Gold(I) metallacycle showing figure-eight conformation and short Au•••Au aurophilic interaction**

61. E. Mabel Coyanis, **Binding studies of gold compounds to human serum albumin utilising NMR**

62. Zivadin Bugarcic, **Kinetics and mechanism of the substitution reactions between some Au(III) complexes and biologically relevant ligands**

63. Anja Molter, **Synthesis and structures of phosphine Gold(I) complexes containing seleno- and thiocarbamate derivatives**

64. M. Jose Bolsa, **Tailoring the properties of polythiolate gold complexes**

65. Corinna Wetzel, **Imidazole-based Bisphosphanes: Gold(I) complexes for cancer therapy**

66. Mayra Rodriguez-Lopez, **Chemically assisted gold phytoextraction in sorghum halepense**

67. Uwe Monkowius, **Au(I) and Au(III) complexes bearing N-heterocyclic carbenes: Synthesis, crystal structures and photochemistry**

68. Kageeporn Wongpreedee, **Particle morphology of Gold on Purple Gold Refining**

69. Evgeniy Semitut, **Synthesis and investigation of double complex salts involving [AuX4]- anions, X=Cl,Br**

70. Nebojsa Arsenijevic, **Effects of Au(III)complexes on human lymphocyte leukemia (HLL) cells**

71. Wei Lu, **Structures and luminescent properties of gold(I) complexes with oligo(ortho- or meta-phenyleneethynylene) ligands**

72. Laura Rodríguez, **New luminescent gold(I) tri and tetra-phosphine compounds containing terminal bipyridine ligands**

73. João Lima, **Unexpected correlations between Au···Au distances and luminescence lifetimes**

74. Ahmet Turan, **Optimization of the Nail method for the fire Assay of low grade pyritic gold ores**

75. Ignacio L. Garzón, **Chirality, optical activity, and enantiospecific adsorption in gold clusters**

76. Haleden Chiririwa, **Preparation of new Palladium(II), Platinum(II) and Gold(I) complexes with iminophosphine ligands**

77. Mohamed Bouhrara, **Well-defined single-site heterogeneous Au(I)-NHC catalysts via surface organometallic chemistry on hybrid organic-inorganic materials**

78. Esther Schuh, **Synthesis and characterisation of gold(I) complexes containing N-heterocyclic carbenes as well as thiolate or acetylide ligands**

Materials

79. Kageeporn Wongpreedee, **Microstructure and Young`s modulus study of Au-Al-In alloy**

80. Pisutti Dararutana, **Lead-free red ruby glasses based on barium and local quartz sands doped with gold metal**

Nanotechnology

81. Jacqueline van Marwijk, **Purification of a Gold(III) reducing and nanoparticle producing protein from Thermus scotoductus SA-01**

82. Masakazu Kume, **Photoresponse of azobenzene derivatives SAM on gold clusters**

83. Kezeng Liu, **Interaction of gold nanoparticles with R-phycoerythrin and chitosan**

84. Radu Fierascu Claudiu, **Natural plant extract mediated biosynthesis of gold nanoparticles**

85. Daniel Esken, **Embedding of gold nanoparticles in the zeolitic imidazolate framework ZIF-8**

86. Olivier Pluchery, **Gold nanoparticles used as local field amplifiers for improving molecular sensitivity of SFG and DFG nonlinear spectroscopies**

87. Outi Toikkanen, **Electrochemical study on solvent dependent stability of monolayer protected Au38 clusters**

88. Shouan Dong, **Size effect of self-assembly of gold nanoparticles on multiwalled carbon nanotubes**

89. Richard E. Palme, **Quantitative electron microscopy investigation of monolayer-protected Au_{38} clusters using size-selected clusters as a mass balance**

90. Yuri Oprunenko, **Observation of two spectral states of gold by XPS in PE – Au nanoparticles composite prepared by metal vapor synthesis**

91. Matteo Martini, **Synthesis and optical properties of fluorescent silica coated gold nanoparticles for biological applications**

92. Yasuro Niidome, **Surface analysis of gold nanorods by using surface-assisted laser desorption/Ionization time-of-flight mass spectroscopy (SALDI-MS)**

93. Eva Valušová, **Gold nanoparticles influence conformational changes along the heme of cytochrome *c***

94. Ying Chen, **Unique 110 Faceted Single Crystalline Nanostructures**

95. Francisco José Cadete Santos Aires, **Evolution of Au (110) surface structure induced by CO adsorption: in situ environmental STM study (10^{-9} – 500 Torr)**

96. Francisco José Cadete Santos Aires, **$Pd_{70}Au_{30}$(110) behaviour under CO and O_2 environment: In situ study by PM-IRRAS, STM, SXRD and XPS operated in environmental conditions**

97. Francisco José Cadete Santos Aires, **Elaboration of Au and AuAg colloidal nanoparticles by laser ablation of metallic/bimetallic targets in liquids**

98. Srecko Stopic, **Gold nanoparticles produced by ultrasonic spray pyrolysis**

99. Sana Sabahat, **Synthesis and properties of water-soluble ferrocene-modified cold nanoparticles**

100. Nikoletta Molnár-Vörös, **Alkylthiol-functionalized gold nanocolloids for sensing organic vapours: The effect of organic vapour adsorption on sensor resistance as revealed by QCM experiments**

101. R. Reddy Vanga, **Gold nanoparticles modified semiconductor electrodes for water oxidation and water splitting**

102. Kwok-Yin Wong, **Luminescent gold nanoparticles capped with tiopronin derivatives**

103. Chun-Ting Kuo, **Mechanistic study of the growth of gold clusters by ligand place-exchange**