

## Conference program

### *Sunday, September 5*

15.00- 20.00

Check-in at the Symposium office, C-13 building ground floor

18.00 – 20.00

Get-Together party – next to the Symposium office

### *Monday, September 6*

9.00 – 9.30

Opening Ceremony

#### *Session I – Chairman W. Żywnicki*

9.30 – 10.00

**PL1** *New plasma sources for atomic spectrochemical analysis*

J.A.C. Broekaert (Germany)

10.00 – 10.30

**PL2** *Sample vaporization in a graphite furnace for plasma emission and mass spectrometry: possibilities and limitations*

M. de Loos-Vollebregt (The Netherlands, Belgium)

10.30 – 10.45

**O1** *Characterization of three different plasma-based sources for ambient mass spectrometry: study of desorption/ionization mechanisms and analytical performance*

J. Kratzer (Canada, Czech Republik)

10.45 – 11.00

**O2** *A simplified mathematical model for predicting performance of electrothermal vaporization - inductively coupled plasma atomic emission spectrometry under various streaming conditions*

P. Masson (France)

11.00 – 11.30

**Coffee/tea break, poster viewing**

#### *Session II – Chairman J.A.C. Broekaert*

11.30– 12.00

**PL3** *Microanalysis of biological samples by TXRF and ICP-MS techniques*

G. Zaray (Hungary)

12.00 – 12.30

**PL4** *Chemometric approaches in X-ray fluorescence analysis*

M. Otto (Germany)

12.30 – 12.45

**O3** *LIBS and XRF spectrometry – competitors and cooperants*

M. Pouzar (Czech Republic)

12.45 – 13.00

**O4** *Arsenic speciation analysis in water samples by selective hydride generation and cryotrapping: comparison of quartz multiatomizer-AAS and ICP-MS detection*

T. Matoušek (Czech Republic)

13.00 – 14.00

**Lunch**

**Session III – Chairman B. Welz**

14.00 – 14.30

**PL5** *Precise isotope ratio measurements of "non-traditional" stable isotopes by MC-ICP-MS*

L. Halicz (Israel)

14.30 – 15.00

**PL6** *Some possibilities of laser-assisted plasma spectrometry in elemental mapping of selected biogenic and technological materials*

V. Kanicky (Czech Republic)

15.00 – 15.15

**O5** *Determination of mercury in sea water by using isotope dilution high resolution inductively coupled plasma mass spectrometry ( ID HR ICP- MS)*

E. Vassileva (Monaco)

15.15 – 15.30

**O6** *Possibilities and limitations in analysis of historical glass by LA ICP MS*

B. Wagner (Poland)

15.30 – 15.45

**O7** *The Application of ICP-MS as a tool for environmental monitoring and traceability*

R. Bonacina (Italy)

15.45 – 16.15

**Coffee/tea break, poster viewing**

**Session IV – Chairman M. Otto**

16.15 – 16.45

**PL7** *Recent trends in microwave plasma sources for analytical atomic spectrometry*

K. Jankowski (Poland)

16.45 – 17.00

**O8** *Microwave radiation in analytical chemistry: the scope and prospects for application*

H. Matusiewicz (Poland)

17.00 – 17.15

**O9** *Studies on analytical glow discharge sources*

E. Steers (England)

17.15 – 17.30

**O10** *"IN VINO VERITAS" - Determination of heavy metals in wine using simultaneous ICP-OES*

U. Oppermann (Germany)

17.30 – 17.45

**O11** *Corrosive behaviour of dental materials*

A. Krejcová (Czech Republic)

17.45 – 18.00

**O12** *Determination of mercury in fish muscles, fins and scales*

R. Červenka (Czech Republic)

21.00 – 21.30

Wrocław Fountain at Pergola - multimedia spectacle

## ***Tuesday, September 7***

### **Session I – Chairman E. Bulska**

8.45 – 9.15

AWARD for Boris L'vov

9.15 – 9.30

B. Welz about B. L'vov

9.30 – 10.00

**PL8** *Mechanism and kinetics of solid decompositions/reductions. Recent achievements or 'All novelties are well-forgotten relics'*

B. L'vov (Russia)

10.00 – 10.15

**Coffee/tea break**

### **Session II – Chairman M. de Loos-Vollebregt**

10.15 – 10.45

**PL9** *Electrothermal atomization: has the development finally come to an end or is there room for a second youth?*

G. Schlemmer (Germany)

10.45 – 11.00

**O13** *Double-stage probe atomization in graphite furnaces with feed-back on atomic absorption signal - universal instrument for elemental analysis and nanotechnologies*

Y. Zakharov (Russia)

11.00 – 11.15

**O14** *Application of ion imprinted polymers for elimination of interferences in spectrometric determination of platinum group metals*

B. Godlewska-Żyłkiewicz (Poland)

### **Session III – Chairman H. Matusiewicz**

11.15 – 11.45

**Poster presentations**

11.45 – 12.30

**Poster session**

12.30 – 14.00

**Lunch/ Panorama of the Battle of Raclawice**

**Session IV – Chairman L. Halicz**

14.00 – 14.30

**PL10** *Spectroscopic investigations by a high-resolution continuum source atomic absorption spectrometer*

B. Dočekal (Czech Republik)

14.30 – 14.45

**O15** *Simultaneous multi-element electrothermal atomic absorption spectrometry*

D. Katskov (South Africa)

14.45 – 15.00

**O16** *Solid sampling-high-resolution continuum source GFAAS for life science applications*

M. Resano (Spain)

15.00 – 15.15

**O17** *New application possibilities of high resolution-continuum source AAS (HR-CS AAS)*

B. Özmen (Germany)

15.15 – 15.30

**O18** *Analysis of diesel by filter furnace HR-CS AAS*

L. Marjanovic (South Africa)

15.30 – 15.45

**O19** *Development of atomic-absorption method for determination of heavy metals impurities in palladium salts and natural water*

E.S. Solodukhina (Russia)

15.45 – 16.00

**Coffee/tea break**

**Session V – Chairman A. Ulrich**

16.00 – 16.30

**PL11** *Progress in the determination of non-metals using the absorption spectra of diatomic molecules in flames and furnaces*

B. Welz (Brasil)

16.30 – 16.45

**O20** *Indirect determination of sulphur dioxide, sulphuric acid and phosphoric acid in natural samples by FAAS*

J. Posta (Hungary)

16.45 – 17.00

**O21** *Possibilities and limitations of high temperature molecular absorption spectrometry in flame and furnace for sulfur determination in petroleum products*

Z. Kowalewska (Poland)

17.00 – 17.15

**O22** *Biosorption of copper, cadmium and lead from aqueous solutions using marine algae; *Ulva lactuca* and *Ceramium rubrum**

G. Doner (Turkey)

20.00 – 23.00

**Conference Dinner – Museum of Architecture**

***Wednesday, September 8***

**Session I – Chairman V. Kanický**

9.00 – 9.30

**PL12** *Novel online-micro-flow capillary FI-ICP-MS set-up with electrochemical control for time- and element-resolved investigation of the corrosion behaviour of metals*

A. Ulrich (Switzerland)

9.30 – 9.45

**O23** *Man-portable emission spectrometer with laser microsampling for attribution of paintings, icons, frescos and ornaments*

S. Raikov (Belarus)

9.45 – 10.00

**O24** *Determination of antimony in soils and sediments by slurry sampling GFAAS using permanent modifiers*

R. Dobrowolski (Poland)

10.00 – 10.15

**O25** *The plastic Planet - determination of heavy metals in packaging material*

J. Schram (Germany)

10.15 – 10.30

**O26** *Certification of a reference material for selected elements (As, Cd, Ni and Pb) in a PM10-like matrix*

M. Piaścik (Belgium)

10.30 – 10.45

**O27** *Application of dispersive liquid-liquid microextraction in GFAAS method for determination of gold*

L. Kocúrová (Slovak Republic)

10.45 – 11.00

**O28** *Dispersive liquid-liquid microextraction technique based on 1-Butyl-3-methylimidazolium hexafluorophosphate ionic liquid for the preconcentration of lead and determination with GFAAS*

M. Efeçinar (Turkey)

11.00 – 11.30

**Coffee/tea break**

**Session II – Chairman G. Schlemmer**

11.30 – 12.00

**PL13** *New results in the development of laser ablation cells used to inductively coupled plasma mass spectrometry*

T. Kantor (Hungary)

12.00 – 12.15

**O29** *Optical emission spectrometer for monitoring of aerial pollution of green plantings by anti-ice reagents*

M. Belkov (Belarus)

12.15 – 12.30

**O30** *Speciation of oxidation form of Sb in selective leaching of airborne particulate matter by solid phase extraction hydride generation graphite furnace atomic spectrometry (SPE-HG-GFAAS)*

K. Zih-Perényi (Hungary)

12.30 – 12.45

**O31** *A novel solidified floating organic drop microextraction method for preconcentration and determination of copper ions by flow injection flame atomic absorption spectrometry*

İ. Durukan (Turkey)

12.45 – 13.15

**Closing ceremony**