
New Regional Editors



Prof. Serge Walter

Personal data:

Date of birth: 1953

Place of birth: France

E-mail: s.walter@uha.fr

Professor Walter is the head of the Group for Safe and Ecological Chemistry (GSEC) at the Chemistry Department (ENSCMu) of the University of Mulhouse in France. He obtained his Ph.D. in 1987 .

His research area covers the fields of chemical safety and ecology, with special attention to all the aspects of energy transfer. The most recent research has been devoted to the thermal aspect of alkali metals reacting with organic reagents. It could be shown that the presence of minor species bearing non bonding electron pairs played an essential role with regard to the reaction enthalpies. Most of the heat generally considered as to be the heat of the reaction takes its actual source in entropy reduction phenomena. The water trace level could be shown as to be the main factor ruling as well the reactivity as the stability of the chemical species.

Trace analysis in relation with thermal analysis are his main tools for his research. More specifically, reaction calorimetry hyphenated with all fitting spectroscopic analytical techniques (GPC –MS, ICP-MS, AAS, IR and NIR, NMR ...) is used in order to check the influence of generally neglected parameters arising from trace contamination on the thermal behaviour (and thus on the safety) of chemical reactions.

His teaching activities are Analytical Chemistry, Thermodynamics and Chemical Safety. His teaching is devoted to students (graduate, post-graduate) the University of Mulhouse, but also several other universities worldwide. He speaks fluent French, English, German, and Italian. Further, his teaching activities are also directed towards the chemical industries of France and Europe

His other fields of interest, which are not directly related to his job, are astronomy, photography, and more generally the physics of gravitation, electromagnetism, and matter.

Further, he enjoys the direct contact with nature, mountains, springs, flowers, and birds. He is married, three children.

**Prof. Li-Xian Sun***Personal data:*

Date of birth: October, 1962

Place of birth: China

E-mail: lxsun@dicp.ac.cn

Education and scientific degrees:

College of Chemistry and Chemical Engineering, Hunan University, China

B.S. (1984); M.Sc. (1987); Ph.D. (1994)

Place of work:

Hunan Agricultural University (1987–1990); Hunan Normal University (1991–1994); Institute of Inorganic and Analytical Chemistry, Friedrich Schiller University, Jena, Germany (1995–1996); National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan (1996–2002); Dalian Institute of Chemical Physics, Chinese Academy of Sciences (2001–)

Fields of research:

Thermal analysis and calorimetry; biochemical sensor; quartz crystal microbalance; slab optical waveguide; chemometrics; phase change materials; fuel cells; hydrogen storage materials; nano materials; thermal super-conduct materials

Publications:

Published over 80 research papers in refereed journals and co-author of the book entitled 'Adaptation of Simulated Annealing to Chemical Optimization Problems', Elsevier, Amsterdam.

Awards and Honours:

Science and Technology Progress Prize by the National Ministry of Mechanical Industry, China (1987); Alexander von Humboldt Research Fellowship (1995); NEDO, STA/AIST/ITIT, NIMC fellowship at AIST of Japan (1995, 1996–2002), Honorary Professor of Jinan University (2001–)

Professional activities:

Member of the Chinese Chemical Society (1987 –); Member of the Japanese Electrochemical Society (1996 –); Member of the Advisory Board of the National Biotechnology Group of China (2003–); Member of the Advisory Board of National 863 Projects on Functional Materials of China (2003–)

Present position and postal address:

Professor, Materials & Thermochemistry Laboratory, Dalian Institute of Chemical Physics, 116023, Dalian, China