7th International k_0 -Users' Workshop

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Foreword

The k_0 method of neutron activation analysis (k_0 -NAA) has become a well-established analytical tool for elemental analysis of various samples since its introduction in mid-1970s. To strengthen its development, applications and use, a series of regular workshops dedicated to this particular analytical method has been introduced twenty-five years ago, held in Astene, Belgium (1992); Ljubljana, Slovenia (1996); Bruges, Belgium (2001); Funchal, Portugal (2005); Belo Horizonte, Brazil (2009) and Budapest, Hungary (2013).

The 7th k_0 -Users' Workshop was held at Hotel Novotel Montreal Centre, Canada, 3–8 September 2017. The meeting was organized by Polytechnique Montreal in cooperation with the International Atomic Energy Agency. Twenty-seven participants from 16 different countries (Australia, Austria, Belgium, Brazil, Canada, Czech Republic, Egypt, Germany, Hungary, Italy, Jamaica, Peru, Slovenia, the Netherlands, Turkey, Vietnam) from all five continents discussed the latest developments and applications of k_0 -NAA. Thirty-three papers were presented in the following sessions: Fundamentals of k_0 -NAA, Nuclear Data, Neutron Flux Parameters, k_0 -NAA Methodology, Validation of k_0 -NAA, Facilities, Automatization, and k_0 -NAA Methodology and PGAA. The talks included presentations by two Keynote Speakers and one Honorary Speaker. During the workshop, scientific visits were paid to the SLOWPOKE NAA Laboratory and Thermal Hydraulics Laboratory of the Polytechnique Montreal.

The upcoming 12 papers in this issue of the Journal of Radioanalytical and Nuclear Chemistry were selected to be published from the workshop.

The next, 8th k_0 -Users' Workshop is expected to be held in Ljubljana, Slovenia in 2021.

k_0 International Scientific Committee (members active during the period of the organization of the workshop)

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