

HRVATSKO KEMIJSKO DRUŠTVO - SPLIT

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Hrvatsko kemijsko društvo - Split organizira svoj 212. kolokvij koji će se održati **27. ožujka 2019.** godine (srijeda) s početkom u **12.15 sati u amfiteatru A-02**, Kemijsko-tehnološkog fakulteta u Splitu, Ruđera Boškovića 35.

Predavanje pod naslovom:

"Potentiometric sensors; development, application and future trends"

održat će **izv. prof. dr. sc. Mitja Kolar**, Fakultet za kemiju i kemijsku tehnologiju, Sveučilište u Ljubljani. Kolokvijem će predsjedavati doc. dr. sc. Ante Prkić.

ABSTRACT

The basic theoretical background in the field of potentiometry was introduced by Walther Hermann Nernst (1864 - 1941). The Nobel Prize in Chemistry was awarded to him in 1920. Until today the number of research papers dealing with potentiometry and potentiometric sensors is still increasing.

The main reasons for this are:

- new materials; nano-particles, membranes, carbon modifications,
- miniaturization of electrode surface and instrumentation,
- applications of sensors in new fields (bio-science, solid measurements, in-vivo, in-vitro, medicine, wearable sensors).

In the present work development and research activities of Analytical laboratory at Faculty of chemistry and chemical technology, University of Ljubljana, in the field of potentiometry will be discussed.

Several examples in batch and flow systems together with new achievements in instrumentation and electrode materials will be mentioned. Current research activities in connection to life science and medicine, including future trends in the field, will be shown.

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Predsjednik HKD-Split:
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