



החברה הישראלית לכימיה
THE ISRAEL CHEMICAL SOCIETY

<http://www.chemistry.org.il>

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January 19, 2014

Dear ICS members,

It is my great pleasure to announce that the 2013 ICS Prize for Technological Innovation will be awarded to Prof. Israel Schechter of the Schulich Faculty of Chemistry, the Technion, for developing a new analytical technology: Multiphoton Electron Extraction Spectroscopy (MEES).

Prof. Schechter is an expert in laser spectroscopies and their analytical applications. Recently, his group developed a new technology based on laser multiphoton ionization that provides rich analytical information. They constructed a spectrometer based on this technology and proved that MEES is a new powerful analytical tool that works under ambient conditions. The method is very sensitive and has the potential to revolutionize detection of explosives, drugs and many other materials. In its scanning mode MEES provides chemical imaging of solid surfaces. An American patent covering the whole MEES technology has been recently granted to the Technion. It seems that this spectroscopy can be implemented in many industrial applications such as detection of explosives and drugs, environmental protection, food analysis and quality assurance.



Prof. Israel Schechter

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It is the first year that this prestigious prize, which is sponsored by ICL Innovation Ltd., is being awarded. The ceremony will take place at the opening session of the 79th ICS Annual Meeting in February 4, 2014.

Congratulations to Israel for his achievements!

Ehud Keinan



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