

The Table does not lie – 150 Years of the Periodic Table of Chemical Elements by Mendeleev

The Israel Association of Chemical Engineers and Chemists celebrates the basics of Chemistry on the 5th of March 2019, Tuesday, Engineering House, Dizengoff 200, Tel Aviv.

The Periodic Table of Chemical Elements is the result of a burst of genius in Mendeleev's dream. It is much more than arranging and organizing of chemical elements. It holds a great knowledge and allows us to predict the behavior of these elements and those that have not yet been discovered.

In a one-time event with leading lecturers in the field, we will talk about everything you have not known about the Periodic Table, contribution to the development of sciences and society. We will show selected elements and their expression in the industry. We will introduce the four new elements (113, 115, 117 and 118) added to the Periodic Table in 2016. We will ask whether the Periodic Table is complete or that new elements will be discovered.

The Program includes:

Registration		08:45-09:15
Greetings – Eng. Ehud Noff , Chairman of the Israeli Association of Engineers, Architects and Graduates in Technological Sciences in Israel Dr. Alec Groysman , Chairman of the Israeli Association of Chemical Engineers and Chemists		09:15-09:30
Prof. Sason Shaik , The Institute of Chemistry, The Hebrew University	The Periodic Table – A Universal Icon: Its Birth 150 Years Ago, and its Popularization through Literature, Art and Music	09:30-10:15
Ori Taichman , The Weizmann Institute of Science	The four biggest ones: the last elements of the Periodic Table, and where do we go from here?	10:15-10:45
Dr. Igal Bar Ilan , Bioforum	Carbon and silicon – chemical elements of the IV group – chemistry, variance, imagination and all the rest	10:45-11:15
Prof. Michael Zinigrad , Ariel University	Contribution of Mendeleev into the Researches	11:15-11:30
Coffee break		11:30-11:45
Dr. Oz Golan , Afeka College, Tel Aviv	The world of metals - The old iron blacksmith and modern engineers	11:45-12:15
Prof. Ron Blonder, Dr. Malka Yayon, Dr. Shelley Rap , Department of Science Teaching, Weizmann Institute of Science	An Educational Chemical Escape Room: The Example of the Periodic Table (I)	12:15-12:30
Prof. Shlomo Rozen , Tel Aviv University	The importance of fluorine atom in our life	12:30 -13:00

Prof. Moti Lorberboim , The Assaf Harofeh Medical Centre	Radioactive isotopes: properties and use in radiobiology	13:00-13:30
Lunch		13:30-14:15
Hanin Bishara (Tira A. Kasem High School, and Galgoulia High School). Dr. Rachel Mamlok-Naaman , The National Centre for Chemistry, The Weizmann Institute of Science	Teaching the Periodic Table in the context of everyday life	14:15-14:30
Prof. Elena Levi , Bar Ilan University	Old and New Views on the Chemical Bonds: Bond Valence Model for All Types of Chemical Bonds	14:30-15:00
Nitzan Primor , CEO Neve Pharma	Magnesium – “The Element Basics of Life”	15:00-15:30
Prof. Ron Blonder, Dr. Malka Yayon, Dr. Shelley Rap , Department of Science Teaching, Weizmann Institute of Science	An Educational Chemical Escape Room: The Example of the Periodic Table (II)	15:30-15:45
Discussion and Conclusion		15:45-16:00