

150 Years of the Periodic Table at Fall 2019 ACS National Meeting

Sponsored by the Division of the History of Chemistry, Division of Inorganic Chemistry, and the ACS President.

G. Girolami, C. J. Giunta, V. V. Mainz, Organizers

Marriott Marquis San Diego Marina

SUNDAY AFTERNOON, Aug. 25, 2019 V. V. Mainz, Organizer, Presiding

- 1:10 Introductory Remarks.
- 1:15 Trouble with triads. W. Jensen
- 1:45 Vis tellurique of Alexandre-Émile Béguyer de Chancourtois. C.J. Giunta
- 2:15 Periodicity in Britain: The periodic tables of Odling and Newlands. J. Poole-Sawyer
- 2:45 Intermission.
- 3:00 Gustavus Detlef Hinrichs and his Chart of the Elements. G.S. Girolami
- 3:30 Mendeleev in St. Petersburg: The marginality of the periodic system. M.D. Gordin
- 4:00 Lothar Meyer's path to periodicity. A.J. Rocke

MONDAY MORNING, Aug. 26, 2019 C. J. Giunta, Organizer, Presiding

- 8:40 Introductory Remarks.
- 8:45 Discovery of the elements predicted by Dmitri Mendeleev's table: Scandium, gallium, and germanium. M. Orna, M. Fontani
- 9:15 Rare Earth Elements. A. De Bettencourt Dias
- 9:45 History (and pre-history) of the discovery and chemistry of the noble gases. J.A. Labinger
- 10:15 Intermission.
- 10:30 Sir John F.W. Herschel and the concept of periodicity. G.D. Patterson, R. Brashear
- 11:00 Hydrogen, helium, and metals: When astronomy met the periodic table. V.L. Trimble
- 11:30 Hydrogen to oganesson: A philatelic celebration of the periodic table. D. Rabinovich

MONDAY AFTERNOON, Aug. 26, 2019 G. Girolami, Organizer, Presiding

- 1:40 Introductory Remarks.
- 1:45 Impact of 20th century physics on the periodic table and questions still outstanding in the 21st century. E.R. Scerri
- 2:15 Uses of the Periodic System after Radioactivity and the Discovery of the Neutron: the contrasting views of Lise Meitner and Ida Noddack. B. Van Tiggelen
- 2:45 Mary Elvira Weeks and The Discovery of the Elements. V.V. Mainz
- 3:15 Intermission.
- 3:30 From neptunium to mendelevium: element discovery and the birth of the atomic age. K. Chapman
- 4:00 Transactinide elements: How the 7th row of the periodic table was discovered. D.A. Shaughnessy
- 4:30 Periodic table after period 7. V.P. Pyykko