

**Martedì 5 novembre 2019**  
**ore 12.30**  
**Aula C**

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## **“Dmitrii Mendeleev: The Periodic Table of Elements and Beyond”**

150 years ago Dmitrii Ivanovich Mendeleev (1834-1907), then a young chemistry professor in St. Petersburg, formulated his version of the system of elements. The choice of date is somewhat arbitrary, as there were five other attempts at periodic tables postulated earlier in the 1860s, some of which resemble our present version slightly more than Mendeleev's in certain respects. Also, the main achievement of Mendeleev's table — its predictive capacity — was also a gradual process that began in 1869 but took several decades to cement his international reputation. In this talk I will explore what Mendeleev did in 1869, how it related to what came before and after, and also discuss a few of the myths that have accumulated around his work and his personality. Mendeleev's work on the periodic law of chemical elements will be presented in a broader perspective of his Nature-Philosophy views and works, which include theory and investigations of solutions, such as alcohol in water, studies of rarified gases and discovery of supercritical fluids

Tommaso Dorigo