



22 september 2016

# 2016: Debye & Rietveld



the power of  
powder diffraction

## A 100 & 50 year CELEBRATION

Diffraction of radiation is used to determine the atomic structure of materials. The technique developed more than a century ago, using single crystals, which are hard to get or to make. Exactly 100 years ago, Peter Debye overcame this limitation with the invention of powder diffraction, making sample preparation a piece of cake.

Then 50 years later, Hugo Rietveld introduced a data analysis method that enabled accurate determination of the 3D crystal structure from the obtained powder data. These two major steps forward make powder diffraction a standard tool in academia and industry today. We want to celebrate the centennial + golden jubilee with you on Thursday 22 September 2016.

Photos: P. Debye, H. Rietveld and Google Maps of Amsterdam city center

## Join the Debye-Rietveld Scientific Symposium

Register at <https://debye-rietveld.nl> (deadline: 7 September 2016)

Lambert van Eijck, Huub Kooijman, Céleste Reiss, Bram Schierbeek, Jessica van der Vliet

Venue: Shell Technology Centre Amsterdam, Grasweg 31, Amsterdam, Netherlands Tel. +31 20 630 2678

Email: [organizers@debye-rietveld.nl](mailto:organizers@debye-rietveld.nl)



REACTOR INSTITUTE DELFT

