ALEXANDRE TKATCHENKO

Professor of Theoretical Condensed Matter Physics, University of Luxembourg

„Bridging the accuracy of quantum mechanics with efficiency of machine learning in molecular modeling"

In the framework of the New Horizons Lectures in Chemistry by Solvay Institutes

To attend this lecture, followed by a reception, please register at
https://webappsx.ugent.be/eventManager/events/Tkatchenko
before May 29 2018.

Friday June 1 2018 at 11:00
iGent Tower
Technologiepark 15,
9052 Zwijnaarde
Auditorium iGent

CENTER FOR
MOLECULAR MODELING

Prof. Veronique Van Speybroeck
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ALEXANDRE TKATCHENKO is a Professor of Theoretical Chemical Physics at the University of Luxembourg. He obtained his bachelor degree in Computer Science and a Ph.D. in Physical Chemistry at the Universidad Autonoma Metropolitana in Mexico City. In 2008–2010, he was an Alexander von Humboldt Fellow at the Fritz Haber Institute (FHI) of the Max Planck Society in Berlin. Between 2011 and 2016, he led an independent research group at FHI. Tkatchenko has given more than 190 invited talks, seminars and colloquia worldwide, published more than 120 articles in peer-reviewed academic journals (h-index=49), and serves on the editorial boards of Science Advances (an open-access journal in the Science family) and Physical Review Letters. He received a number of awards, including the Gerhard Ertl Young Investigator Award of the German Physical Society in 2011, and two flagship grants from the European Research Council: a Starting Grant in 2011 and a Consolidator Grant in 2017. His group pushes the boundaries of quantum mechanics, statistical mechanics, and machine learning to develop efficient methods to enable accurate modeling of complex materials.

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