

DPG Honours its Laureates of the Years 2020 and 2021

Scientific Symposium on Outstanding Research Across All Physics

Friday, June 17

- 09:00 **Welcoming**
Lutz Schröter, Wolfsburg
– Vice President of the DPG
- 09:10 **Von Rattengift zu grünen Datenzentren**
Dieter Bimberg, TU Berlin
– Laureate of the Stern Gerlach Medal 2020
- 09:40 **Physik phänomenal erleben**
Kim Ludwig-Petsch, Deutsches Museum München
– Laureate of the Georg-Kerschensteiner-Award 2021
- 10:10 **Quantum world without quantum uncertainties**
Eugene S. Polzik, Niels Bohr Institute, Copenhagen (Denmark)
– Laureate of the Herbert-Walther-Award 2020
- 10:40 Conversations over coffee
- 11:25 **Kohlenstoff-Nanoröhren – perfekte Hybridbausteine zwischen Quanten-Elektronik und -Mechanik**
Andreas Hüttel, Universität Regensburg
– Laureate of the Walter-Schottky-Award 2021
- 11:55 **Epitaxy from molecular beams – an important tool in nanotechnology**
Grzegorz Karczewski, Polish Academy of Sciences, Warszawa (Poland)
– Laureate of the Smoluchowski-E.-Warburg Award 2021
- 12:30 Lunch
- 15:00 **Gravitational Striction and Naturalness**
Alexander M. Polyakov, Princeton University (USA)
– Laureate of the Max Planck Medal 2021
- 15:30 **Was atomphysikalische Experimente an Großforschungsanlagen (so) attraktiv macht...**
Heinz-Jürgen Kluge, Universität Heidelberg
– Laureate of the Robert-Wichard-Pohl-Award 2020
- 16:00 Conversations over coffee
- 16:45 **Die globale Energiewende in Krisenzeiten**
Michael Düren, Universität Gießen
– Laureate of the Robert-Wichard-Pohl-Award 2021
- 17:15 **The heat is on! Wie man mit Licht magnetische Metamaterialien kontrolliert**
Naëmi Riccarda Leo, CIC nanoGUNE, San Sebastian (Spain)
– Laureate of the Hertha-Sponer-Award 2021

- 18:00 Dinner
- 20:00 **Fishbowl Panel Discussion**
Die Wissenschaft in der offenen Gesellschaft – dienstbar, streitbar, wahrhaftig?
Keynote Speech: Dorothee Dzwonnek, Ratingen
– Laureate of the Gustav Magnus Medal 2022

Saturday, June 18

- 10:00 **Some thoughts about the use of models in computational physics and chemistry**
Lucia Reining, CNRS, Laboratoire des Solides Irradiés, École Polytechnique, Palaiseau (France)
– Laureate of the Gentner-Kastler-Award 2020
- 10:30 **Schülervorstellungen und Physikunterricht**
Horst Schecker, Universität Bremen
– Laureate of the Georg-Kerschensteiner-Award 2022
- 11:00 Conversations over coffee
- 11:45 **Towards a nuclear clock with Th-229**
Benedict Seiferle, LMU München
– Laureate of the Gustav-Hertz-Award 2021
- 12:15 **Ultrafast nonlinearity of optically driven quantum matter**
Zhe Wang, Technische Universität Dortmund
– Laureate of the Walter-Schottky-Award 2020
- 12:45 Lunch
- 15:15 **Imaging electron transfer in a single molecule**
Laerte Patera, Technische Universität München
– Laureate of the Gustav-Hertz-Award 2020
- 15:45 **Flavour Expedition to the Zeptouniverse**
Andrzej J. Buras, Technische Universität München
– Laureate of the Max-Planck-Medal 2020
- 16:15 Conversations over coffee

16 - 19 June 2022

Venue

Physikzentrum Bad Honnef, Hauptstr. 5,
53604 Bad Honnef, Germany

Organisation and Moderation: Andreas Woitzik, Universität Freiburg;
Fabian Spallek, Universität Kassel; Monique Honsa, LMU München; Nils Sommer,
Forschungszentrum Jülich; Andreas Buchleitner, Universität Freiburg

The scientific symposium will be streamed live via the you tube channel
of the DPG: www.youtube.com/DPGPhysikTV