

DETAILED PROGRAM (CET time zone)

- 09:30 Welcome and project summary
- 10:00 Keynote Lecture Steven Dom: "Pass-by noise: past, present and beyond"
- 11:00 Young researchers' pitches
- 11:30 Parallel Q&A sessions
- 12:00 Keynote lecture Romain Rumpler: "Evaluating the conditions for night-time deliveries in Stockholm through impact assessment of road traffic and handling noise"
- 13:00 Lunch break
- 14:00 Young researchers' pitches
- 14:30 Parallel Q&A sessions
- 15:00 Closing Ceremony
- 15:30 PBNv2 internal ceremony

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More information: <https://www.h2020-pbnv2.eu>



PBNv2

Next generation pass-by noise approaches for new powertrain vehicles

End of Project Event

April 21, 2021

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Maria Skłodowska-Curie grant agreement number GA 721615

Young Researchers' Pitches

Morning Session

- 11:00 Acceleration of BEM analyses for wide frequency range noise predictions, Dionysios Panagiotopoulos – KU Leuven
- 11:05 Development of enhanced acoustic trim materials for engine bay noise abatement, Ze Zhang – KU Leuven
- 11:10 Perception of sounds auralized from finite element transfer functions, Giorgio Pulvirenti – INSA Lyon
- 11:15 Source field reconstruction in presence of masking objects with inverse Patch Transfer Function method, Emmanuel Manu Dabankah – INSA Lyon
- 11:20 Pass-by Noise Modelling of Road Vehicles employing Machine Learning and Big Data, Xue Zhang – AIT
- 11:25 Novel substructuring method towards efficient vehicle noise radiation analysis, Nicola Contartese – Virtual Vehicle Center

Afternoon Session

- 14:00 Virtual Pass-by noise synthesis, Mansour Alkmim – SISW
- 14:05 Hybrid Pass-By noise engineering, Jesús Ortega – SISW
- 14:10 Tyre noise simulations for Psychoacoustics, Bharath Anantharamaiah – IDIADA
- 14:15 Vehicle component vibrational load characterization and mitigation, Nimish Pandiya – BOSCH
- 14:20 Coarse tyre-road interaction, Harald Devriendt – Goodyear
- 14:25 Soundscaping for future powertrain vehicles, Andrea Bellotti – TME

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