

I+D+i.

Institute of Highway Engineering at RWTH Aachen University

<https://bit.ly/3BXgBge>

The screenshot shows the official website of the Chair and Institute of Highway Engineering at RWTH Aachen University. The top navigation bar includes links for 'FACULTIES AND INSTITUTIONS', 'Chair and Institute of Highway Engineering', 'Deutsch', and social media icons for Facebook, Twitter, LinkedIn, and YouTube. Below the header, there are tabs for 'ACADEMICS', 'RESEARCH', and 'THE INSTITUTE'. The main content area is titled 'Road Construction Technology' and features a large image illustrating various construction activities like paving and material transport against a city skyline. On the left sidebar, under 'Research Projects', the 'Road Construction Technology' project is highlighted in a blue box, while other projects like 'Adhesion', 'ARROWS', 'AsduB', and 'AZwiSuB' are listed below it.

Las universidades son tradicionalmente centros generadores de I+D+i que suelen dar a conocer sus desarrollos a través de publicaciones en revistas científicas.

En el caso de la Universidad de Aquisgrán, el departamento de Road Construction Technology dispone de una página web en la que muestran los proyectos en los que están trabajando y facilitan datos de contacto de los principales investigadores que intervienen en cada uno de los proyectos. Este modelo de comunicación no es habitual pero facilita enormemente la difusión de los proyectos de I+D+i.

En estos momentos, tienen en marcha 13 proyectos que cubren campos muy diversos relacionados con los pavimentos de carretera. Más concretamente, los

proyectos citados son:

- **Adhesion:** Multiscale Modelling and Characterization of Adhesion between Bitumen and Aggregate.
- **ARROWS:** Numerical and Experimental Development of an "Accelerated Repeated Rolling Wheel Load Simulator".
- **AsduB:** Asphalt Surface on a Continuously Reinforced Concrete Pavement.
- **AZwiSuB:** Investigation of Asphalt Interlayers underneath Concrete Pavements.
- **Construction Contract Flatness Measurements:** Z1kl-GS4 Expert WLP EU VVoT: Expert Support of a Framework Contract for Flatness Measurements according to Construction Contracts.

Secciones fijas

- **Biochar:** New-Generation Biochar-Modified Permeable Pavement Materials.
- **Bundes-CDE:** Development of a Common Database in German Road Construction.
- Detection of Microplastic Emissions from Road Markings.
- **EvAH:** Development of a test method for investigating the fatigue behavior of asphalt pavements on a half-scale.
- **InductInfra:** Inductive Dynamic Energy Supply of Vehicles via Road Traffic Infrastructure.
- **Special Research Area:** Digital Twin Road - Physical-Informational Mapping of the "Road of the Future" System.
- **Temperate Road - Pilot Application on duraBASt-Site:** Pilot Application of a Temperate Road on duraBASt Site (FE 04.0325 / 2018 / MRB).
- **5G4Construction:** ZIM Innovation Network for the Use of 5G Technology in Construction Sites.

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