Explore our research

Smart Mobility

Research Areas

Our Researchers

News & events

Times Higher Education World University Ranking

From the material provided:

HOOGLERAAR (HGL) Kitty Nijmeijer

A circular economy concept is an important part of the future. Nowadays we use a lot of artificial substances. After use, we throw it away. But with a circular economy, we try to use everything in such a way that useful substances can be recovered,

Our contribution to society is most of all in education

The passion for my work started when I was in high school. I liked doing complex sums and solving puzzles. There has to be a challenge, a competitive element. I'm fascinated by the boundary area between chemistry and physics. I want to know how nature works, to do something that no-one else has done before.

Dr. Liesbeth Janssen

Our researchers and their stories

“Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo invenire veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minim veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?”

Prof.dr. Bert Fokkink

A glorious finish for TU/e students in solar-powered car challenge

25 SEPTEMBER 2017

The research of the Eindhoven School of Education focuses mainly on secondary and higher education.

Dr.ir. Tom Huiskamp

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Prof.dr. Wan Meijer

Our contribution to society is most of all in education

Innovation in technology is a key for the future education.

Prof.dr. Wan Meijer

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Living tissues show an intriguing, active response to mechanical loading. Not only is the intrinsic mechanical response complicated, but it is also highly dynamic. In the context of STEM learning, the central questions in the research program are: the role of mechanical device or produced from animal. heart valve replacement that is either a mechanical device or produced from animal. About 300,000 patients each year receive a heart valve replacement in the United States. One Valve for Life. This project aims to address this need. In the last few years, the development of tissue-engineered heart valves has become a major focus within the field of cardiovascular medicine. One Valve for Life is a project aiming to develop a tissue-engineered heart valve that can be implanted into patients and provide long-term functional benefits.

The project is led by prof.dr. Simon Hoerstrup and prof.dr. Patricia Lamers, and it involves a multidisciplinary team of researchers from the Eindhoven School of Education. One Valve for Life is a collaboration between the Eindhoven School of Education and the Department of Biomedical Engineering at TU Eindhoven. The project is funded by the Netherlands Organization for Scientific Research (NWO) and the European Commission under the Horizon 2020 program.

The project focuses on the development of tissue-engineered heart valves that can be customized to the patient's unique needs. The goal is to create valves that can be used in a wide range of patients, including those with congenital heart defects or those who have undergone previous valve replacement surgery. The project is also working on the development of new technologies to allow for more precise and personalized treatment.

One Valve for Life is an example of the type of research that is being conducted at TU Eindhoven. The university is committed to addressing real-world problems and developing innovative solutions. The project is an excellent example of how STEM learning can be used to address some of society's most pressing challenges.
Innovation projects in schools. In addition, the research of the Eindhoven School of Education focuses mainly on secondary and higher education. Research results are directly applicable in the Master of Science Education and Communication as well as in the World Solar Challenge. TU/e students win Bridgestone (25 SEPTEMBER 2017).

More than 200 researchers contribute to make mobility more intelligent and productive, and to make safer, cleaner and more research areas. TU/e is committed to develop knowledge and innovative technologies to achieve sustainable mobility for society.

Our Researchers

- **Rene Jansen**
  - Academy Laureate and chair of the department of Chemistry at Eindhoven University of Technology.
  - Researcher in the field of chemistry and materials science.
  - The passion for my work started when I was in high school. I liked doing experiments on my own. I was fascinated by how nature works and I want to do something that no-one else has done before.
  - “Our contribution to society is most of all in education”
  - Visit research group
  - See publications
  - Read personal story

- **Prof. dr. Bert Fokkink**
  - Chair of the department of Inorganic Chemistry at Eindhoven University of Technology.
  - Researcher in the field of condensed matter physics.
  - The focus of my research is to use theoretical methods to understand the properties of materials in order to develop new devices and technologies.
  - “Nowadays we use everything in such a way that we throw it away afterward. But with a circular economy, the useful substances can be recovered.”
  - Visit research group
  - See publications
  - Read personal story

- **Prof. dr. Wan Hooijtak**
  - Chair of the department of Organic Chemistry at Eindhoven University of Technology.
  - Researcher in the field of organic chemistry.
  - The focus of my research is to develop new strategies for the synthesis of complex organic molecules.
  - “Our contribution to society is most of all in education”
  - Visit research group
  - See publications
  - Read personal story

- **Dr. Leendert Wolf**
  - Chair of the department of Materials Science and Technology at Eindhoven University of Technology.
  - Researcher in the field of materials science.
  - The focus of my research is to develop new materials for energy storage applications.
  - “Our contribution to society is most of all in education”
  - Visit research group
  - See publications
  - Read personal story

News & events

- **The students win Bridgestone World Solar Challenge**
  - TU/e students win Bridgestone (25 SEPTEMBER 2017).

- **A glorious finish for TU/e**
  - A glorious finish for TU/e (25 SEPTEMBER 2017).

- **1 JUNI 2017**

- **12 SEPTEMBER 2017**

- **10 AUGUSTUS 2017**