

**Univ.-Prof. Dipl.-Ing. Dr.techn. Hannes Hick** is Full Professor and Head of the Institute of Machine Components and Methods of Development (IME) at Graz University of Technology, a position he has held since 2015. He directs the institute's research and teaching activities with a strong focus on systems engineering and development methodology. Together with Prof. Angel, he founded the **first Credition Lab at TU Graz**, a pioneering initiative dedicated to the **scientific analysis of decision-making processes**. This interdisciplinary laboratory creates a unique environment for studying how decisions are formed in engineering and product development, linking methodological research with practical applications.

His research covers a wide range of topics including model-based systems engineering (MBSE) and descriptive modeling methods, systems engineering for complex and cyber-physical product development, tribology in systems engineering, digital twins, and lifecycle-oriented product development. He also investigates human factors and decision-making in engineering as well as sensor development aligned with systems engineering approaches.

In addition to his research and leadership roles, he is deeply committed to educating the next generation of engineers, emphasizing systems thinking and advanced product development methodologies. Through his work at TU Graz and beyond, Professor Hick actively contributes to national and international collaborations in the areas of mobility, production, and engineering innovation, ensuring a close link between scientific progress and practical industrial application. Since 2024 Prof. Hick is the Dean for academic affairs for Production Science and Management at TU Graz.