AUSTRIAN INSTITUTE OF TECHNOLOGY
TOMORROW TODAY

AIT strategic research areas and research fields

Department	Research Area	Research Field
Energy	**Electric Energy Infrastructure**	Smart Grids
		Photovoltaics
	Energy for the built environment	Energy in Cities
		Energy in Buildings
		Renewable Heating & Cooling
Mobility	**Transportation and Infrastructure Solutions**	Sustainable Transportation Infrastructures
		Co-modal Transportation Dynamics
		Large Scale Mobility Information Acquisition and Modelling
	Future Integrated Vehicle Concepts	Virtual Design and Validation
		Electric Components for Future Vehicles
		Light Weight Metals for Components and Structures
Safety & Security	**Intelligent Vision Systems**	New Image Processing Algorithms and Concepts
		New Image Sensor Technologies
	Future Networks and Services	eHealth and Ambient Assisted Living (AAL)
		Next Generation Content Management Systems
		Secure Information Access in Distributed Systems
	Highly Reliable Software and Systems	Assessment and Testing of Autonomous and Safety-Critical Systems
Health & Environment	**Biomedical & Biomolecular Solutions**	Preclinical and Clinical Diagnostics
		Diagnostic Sensorsystems
		AAL – Ambient Assisted Living
		Advanced Implant Solutions
	Resource Exploitation & Management	Exploitation of Biological Resources
		Microbial Detection
		Water Management & Purification
		Soil Remediation
Foresight & Policy Development	**Monitoring & Analysis Technology-Economy-Environment**	Models for complex social & natural systems
		Monitoring & Data Mining
		Development & application of methods & tools
	Foresight Processes & Governance	Foresight & policy strategies
		Governance of complex systems
		Innovation oriented sustainable Infrastructure Policy