Research in Baden-Württemberg – STRATEGIC RESEARCH TOPICS

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BIOECONOMY	energy generation through biomethanol from waste water, microalgae for human	University of Freiburg
	diets, new chemical substances, skills network for sustainable, efficient	University of Hohenheim
	biosynthesis	University of Konstanz
		University of Stuttgart
ELECTROMOBILITY AND	In order to make electromobility more affordable and available for everyday use,	Fraunhofer Institute for Chemical Technology (ICT)
LIGHTWEIGHT VEHICLE	research projects are looking at improving performance and range, reducing	Centre for Solar Energy and Hydrogen Research B-W
ENGINEERING	charging times, and achieving improved energy and cost efficiency in electric	(ZSW)
	vehicles	Cluster Electric Mobility South-West
ENERGY	New storage technologies, regional self-supply of renewable energies, their	University of Freiburg
	integration in electricity generation	University of Hohenheim
		Karlsruhe Institute of Technology (KIT)
		Fraunhofer Institute for solar energy systems (ISE)
HUMANITIES AND SOCIAL	social policy issues: inter-generational integration of migrants, international	University of Mannheim
SCIENCES	jurisdiction, analysis of political communication and networked working	Max Planck Institute for Comparative Public Law and
	environments (phenomena of ubiquitous working UW from the perspective of	International Law
	economics, media psychology, occupational psychology, occupational medicine	Centre for European Economic Research (ZEW)
	and sociology)	University of Konstanz
INDUSTRY 4.0	Research projects are looking at optimising machine communication, innovative	University of Stuttgart
	control systems, a central IT platform and the largest research factory in Europe	Baden-Württemberg Cooperative State University,
	as a model for 4.0 production	Mosbach
		Fraunhofer Institute for Manufacturing Engineering
		and Automation (IPA)
		Fraunhofer Institute of Optronics, System
		Technologies and Image Exploitation (IOSB)
LIGHTWEIGHT	Reducing weight saves energy and money. In the field of lightweight and ultra	University of Stuttgart
ENGINEERING	lightweight engineering researchers work on developing new materials that can	Universities of Aalen, Mannheim and Ulm
	be used in mechanical engineering, energy and automotive technology to save	Institute of Textile Chemistry and Chemical Fibres of
	precious resources	the German Institute for Textile and Fibre Research
		Denkendorf (ITCF)
AEROSPACE ENGINEERING	emission-free flying, alternative fuels, highly resistant fibres, reducing risk in air	University of Stuttgart
	and space travel	Fraunhofer Institute for High-Speed Dynamics, Ernst
		Mach Institute (EMI)
MEDICINE AND MEDICAL	Research is being carried out into the fastest nanoscope in the world, the very	University of Tübingen
TECHNOLOGY	latest imaging methods, bio-electronic micro implants for the treatment of	University of Furtwangen
	diabetes, and personalised medicine	German Cancer Research Center (DKFZ)

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