

Competence Area 1: Molecular Transformations & Interactions

Competence Area 2: Interfacial Phenomena & Devices

Competence Area 3: Fuel Design & Sustainable Cross-sectorial Value Chains

main activity

coordination

supporting activity

Researcher's Institution & Main Competence

Arning	RWTH	RPC	Risk Perception & Communication
von der Aßen	RWTH	LTT	Thermodynamic & Life Cycle Assessment
Backhaus*	RWTH	BioV	Environmental Impact
Blank	RWTH	iAMB	Metabolic Engineering of Microbes
Bolm*	RWTH	OC	Catalysis for Organic Synthesis
Boxx*	RWTH	LOM	Optical Diagnostics
Eichel	FZJ, RWTH	IEK-9	Fundamentals of Electrocatalysis & HT Fuel Cells
Greiff	RWTH	ants	Circular Economy & Sustainability
Herres	RWTH	BioAC	Bioinorganic Chemistry
Heufer	RWTH	PCFC	High-pressure Ignition Kinetics
Jupke	RWTH, FZJ	AVT.FVT	Exp. Analysis & Model-based Reactor Design
Khetan*	RWTH	MODES	Multiscale Modelling of Heterogeneous Catalysis
Klankermayer	RWTH	ITMC	Translational Molecular Catalysis
Kneer*	RWTH	WSA	Experimental Spray Characterization
Lauterbach	RWTH	MibiGen	Synthetic Microbiology
Leicht-Scholten	RWTH	GDI	Gender & Diversity in Engineering
Leitner	MPI CEC, RWTH	ITMC	Molecular Catalysis
Leonhard*	RWTH	MBFD	Predictive Multi-scale Models
Magnus*	RWTH	AVT.BioVT	Biochemical Engineering
Mayrhofer	FZJ	IEK-11	Electrocatalysis
Mechler	RWTH	AVT.ERT	Electrochemical Reaction Engineering
Mitsos	RWTH, FZJ	AVT.SVT	Process Design & Optimization
Palkovits	RWTH, FZJ	ITMC	Heterogeneous Catalysis, Nanostructured Materials
Pischinger	RWTH	TME	Combustion System Optimization
Pitsch	RWTH	ITV	Combustion, Multi-phase Flow
Rother	FZJ, RWTH	IBG1	Chemo-enzymatic Syntheses
Schmitz*	RWTH	IFAS	High-pressure Fluid Analytics & Tribology
Schoenebeck	RWTH	OC	Catalysis at the Interface of Modeling & Exp.
Schröder*	RWTH	AIA	Computational Fluid Dynamics
Simon	RWTH	IAC	Nanomaterials for Catalysis
Venghaus*	RWTH	SOCECON	Decision Analysis & Socio-economic Assessment
Waldvogel	MPI CEC		Electrosynthesis
Walther	RWTH	OM	Planning of Sustainable Supply Chains
Wessling	RWTH	AVT.CVT	Electro-catalytic Membrane Reactors
Wiegand*	RWTH	ITMC	Magnetic Resonance of Catalysts
Ziefle*	RWTH	HCIC	Techn. Acceptance, Risk Communication
Zobel	RWTH	IfK	Structure & Dynamics of Heterogeneous Catalyst

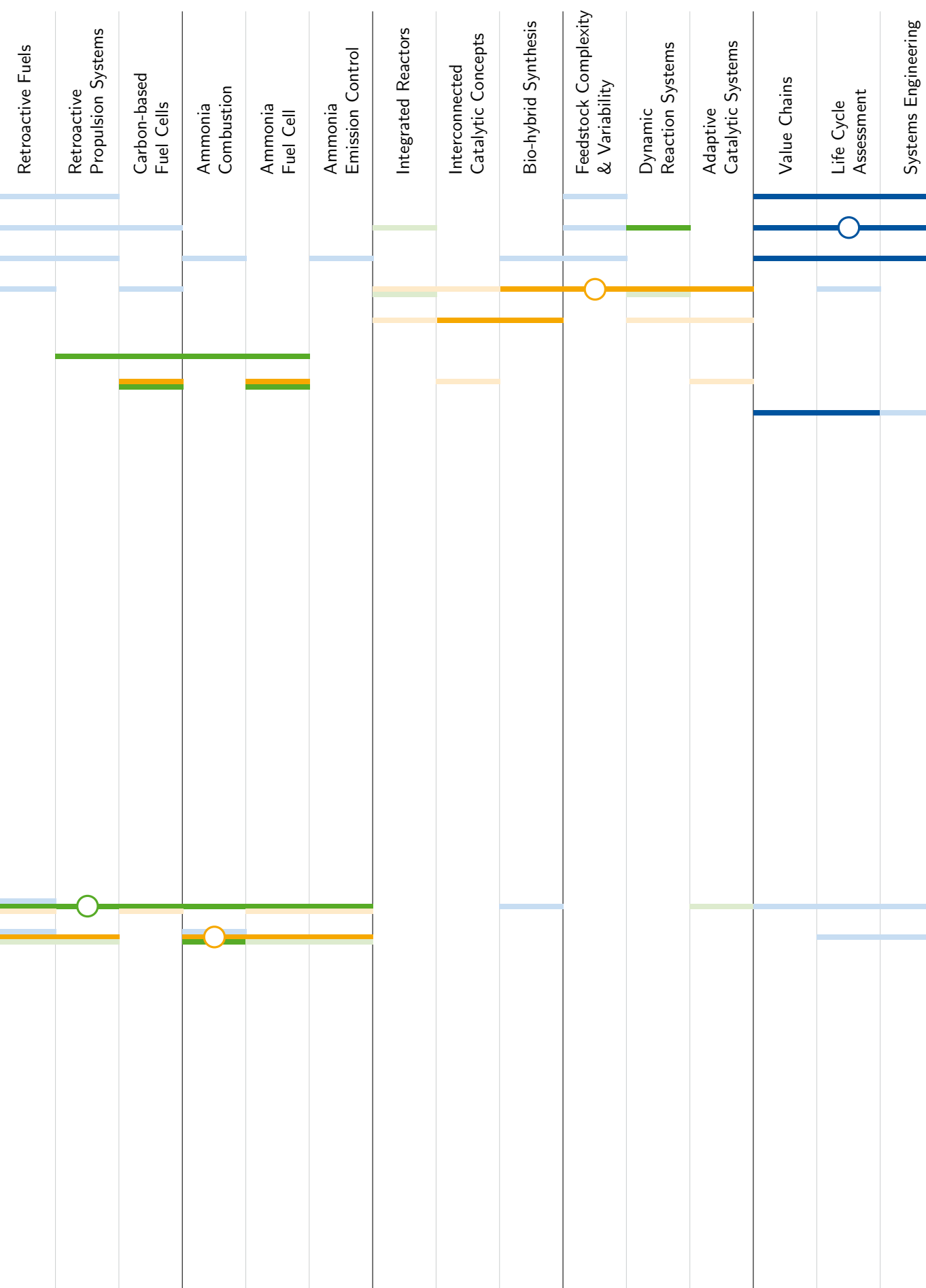
Carbon-based Fuel Conversion (Pischinger)

Ammonia Conversion (Pitsch)

Concatenated Synthetic Pathways (Palkovits)

Translational Catalytic Processes (Leitner)

Resilient & Adaptive Conversion Systems (Walther)



*associated PI