











POLKA

Pollution Know-how and Abatement

15 PhD Positions all over Europe!

 UK KEELE	KU / Keele University DEPARTMENT: Chemical & Physical Sciences PROJECT: (1) Interaction between thermoacoustic instability and flashback (2) Nonlinear coupling of thermoacoustic modes modelled by a Green's function approach www.keele.ac.uk Open Positions: 1	 DE MÜNCHEN	TUM / Technische Universität München DEPARTMENT: Thermo-Fluid Dynamics PROJECT: (1) Scaling laws for the effect of hydrogen content on flame dynamics and thermoacoustic frequencies (2) High-fidelity simulation of nonlinear dynamics of turbulent flame www.tum.de/en Open Positions: 2	 SE STOCKHOLM	KTH / Royal Institute of Technology DEPARTMENT: Marcus Wallenberg Laboratory PROJECT: (1) Sound absorption mechanisms in micro-perforated plates with grazing flow and under hot conditions (2) Passive instability control by finned tubes www.kth.se/en Open Positions: 2
 NL EINDHOVEN	TUE / Technische Universiteit Eindhoven DEPARTMENT: Mechanical Engineering PROJECT: (1) Linear and nonlinear sound absorption mechanisms in flexible micro-perforated plates (2) Instabilities in boilers with complex thermoacoustic properties www.tue.nl/en Open Positions: 2	 IT GENOVA	UNIGE / University of Genoa DEPARTMENT: Civil, Chemical & Environmental Engineering PROJECT: (1) Optimisation of a prototype thermoacoustic system with an adjoint approach www.unige.it/en Open Positions: 1	 IT PISA	PISA / University of Pisa DEPARTMENT: Physics PROJECT: (1) Temperature measurement with new generation of optical fibres www.unipi.it Open Positions: 1
 DE PUCHHEIM	IFTA / Ingenieurbüro für Thermoakustik GmbH DEPARTMENT: Active Control PROJECT: (1) In-situ monitoring of combustion systems with longitudinal thermoacoustic modes www.ifta.com Open Positions: 1	 BE LEUVEN	SISW / Siemens Industry Software BV DEPARTMENT: Simulation Division PROJECT: (1) Instability control by acoustic damping devices (2) Dynamics of hydrogen flames and retro-fitting engines www.pim.automation.siemens.com Open Positions: 2	 IT GENOVA	AEN / Ansaldo Energia DEPARTMENT: R&D Combustor PROJECT: (1) Influence of increased fuel reactivity on gas turbine combustion dynamics www.ansaldoenergia.com Open Positions: 1
 NL ASSEN	BEK / Bekaert Combustion Technology BV DEPARTMENT: Combustion Technology PROJECT: (1) Development of a heat engine for hydrogen-rich fuel mixtures www.bekaert.com/heating Open Positions: 1				

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