

# POLKA

## Pollution Know-how and Abatement

15 PhD  
Positions  
all over  
Europe!

1

UK

KEELE

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: 2

2

DE

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

3

SE

STOCKHOLM

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

4

NL

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

5

IT

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

6

IT

PISA

DEPARTMENT: Physics

PROJECT: (1) Temperature measurement with new generation of optical fibres

www.unipi.it

Open Positions: 1

7

DE

RUCHHEIM

DEPARTMENT: Active Control

PROJECT: (1) In-situ monitoring of combustion systems with longitudinal thermoacoustic modes

www.ifta.com

Open Positions: 1

8

BE

LEUVEN

DEPARTMENT: Simulation Division

PROJECT: (1) Instability control by acoustic damping devices (2) Dynamics of hydrogen flames and retro-fitting engines

www.plm.automation.siemens.com

Open Positions: 2

9

IT

GENOA

DEPARTMENT: R&D Combustor

PROJECT: (1) Influence of increased fuel reactivity on gas turbine combustion dynamics

www.ansaldoenergia.com

Open Positions: 1

10

NL

ASSEN

DEPARTMENT: Combustion Technology

PROJECT: (1) Development of a heat engine for hydrogen-rich fuel mixtures

www.bekaert.com/heating

Open Positions: 1

