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Analytical methods in thermo- and aeroacoustics

Date: Wednesday, 11 March 2020

Location: HUB Lecture Theatre, Keele Sustainability Hub, Home Farm, Keele, ST5 5AA

Programme:

9:00 – 10:00 Lecture by Professor Maria Heckl, Keele University, U.K.
"Green's function methods in thermoacoustics"

10:00 – 11:00 Lecture by Professor Yannis Hardalupas, Imperial College London, U.K.
"The importance of hydrodynamics on the initiation of thermoacoustic oscillations"

11:00 – 12:00 Lecture by Professor R.I.Sujith, IIT Madras, Chennai, India
"Complex systems approach to investigate thermoacoustic instability in turbulent combustors – Part 1: Time series analysis"

12:00 – 14:00 **Lunch**

14:00 – 15:00 Lecture by Professor R.I.Sujith, IIT Madras, Chennai, India
"Complex systems approach to investigate thermoacoustic instability in turbulent combustors – Part 2: Spatio-temporal analysis and directions for future research"

15:00 – 15:40 Lecture by Dr Aswathy Surendran, Imperial College London, U.K.
"Passive control of thermoacoustic instabilities by heat exchangers"

15:40 – 16:00 **Break**

16:00 – 17:00 Lecture by Professor Maria Heckl and Dr Sreenath M. Gopinathan, Keele University, U.K.
"Flame models for thermoacoustics"

17:00 – 18:00 Quiz

19:00 **Dinnner in Newcastle-under-Lyme** (exact venue to be confirmed)

Registration

To register for this workshop, please email Mrs Jemma Sharrock, j.m.sharrock@keele.ac.uk , with the following information:

- full name
- postal address (work)
- dietary requirements

Deadline for registration: 6 March 2020

Payment

The cost of the workshop is £95, including lunch and refreshments.

Payable by invoice, which will be issued when your registration is received.

Accommodation

We recommend the Travelodge in Newcastle-under-Lyme

Address: Lower Street, Newcastle-Under-Lyme, Staffordshire, ST5 2RS
Website: www.travelodge.co.uk/hotels/424/Newcastle-Under-Lyme-Central-hotel

Where is Keele?

Keele University is situated in the heart of the UK, next to the town of Newcastle-under-Lyme and under one hour from both Manchester and Birmingham. The postcode is ST5 5BG**.**

For detailed instructions, please see www.keele.ac.uk/connect/howtofindus/

For further information, please contact

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