



The Combustion Institute

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PhD Scholarship

The Department of Chemical Engineering at the Technical University of Denmark (DTU) has an open 3-year PhD position in the area of high-pressure combustion chemistry in internal combustion engines. The research project, headed by Professor Peter Glarborg, involves development and validation of reaction mechanisms for dual-fuel oxidation, e.g., n-heptane/methane and n-heptane/LPG. The specific aim is to construct a skeletal multicomponent mechanism for use in CFD dual-fuel combustion simulations. For validation of the detailed reaction mechanism, high-pressure flow reactor experiments will be conducted.

The PhD position is part of a larger project funded by the Independent Research Fund Denmark and includes in addition a postdoctoral position at DTU Chemical Engineering and another PhD and postdoctoral fellowship at the DTU Mechanical Engineering. Key project partners are, in addition to DTU Mechanical Engineering, MAN Energy Solutions, Copenhagen, and the University of Lund, Sweden.

How to Apply

Application can only happen on-line. The deadline is March 31, 2019. For further information and on-line application, please use the following link:

- <https://www.dtu.dk/english/About/JOB-and-CAREER/vacant-positions/job?id=6a46e044-f077-46c6-9623-ebb53475cd39>

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