



The Combustion Institute

5001 Baum Boulevard, Suite 644

Pittsburgh, Pennsylvania 15213-1851 USA

Ph: (412) 687-1366

Office@CombustionInstitute.org

Fax: (412) 687-0340

CombustionInstitute.org

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Postdoctoral Fellowship

An opening for a postdoctoral fellowship has become available in the Clean Combustion Research Center at KAUST, Saudi Arabia, in the area of experimental high-pressure reactive flows. The new hire will work with the High-Pressure Combustion Duct (HPCD), which is a unique facility designed to accommodate a variety of burner configurations and turbulent flames at elevated pressure (up to 40 bar) and high Reynolds number. The new hire will have access to state-of-the-art laser diagnostic techniques available at KAUST, including: OH/CH₂O/CH/NO-PLIF, PIV, LII, Raman/Rayleigh scattering, LIGS, and LIP, at low- and high-speed. The new hire will be required to work collaboratively with researchers from KAUST and other universities, as well as industrial partners.

Essential Requirements

The ideal candidate should have:

- Ph.D. in mechanical engineering, aerospace engineering, or other close fields;
- Strong skills in technical writing including a history of peer-reviewed publications in high-impact journals in combustion, such as *Combustion and Flame*, *Proceedings of the Combustion Institute*, or similar;
- Strong experimental background, preferably with turbulent flames;
- Experience with laser diagnostics; and
- Experience with designing mechanical parts and burners using commercial software such as Solidworks, Catia, or Autocad.

How to Apply

The new hire will receive a competitive salary, free housing, medical and dental insurance, relocation allowance, and yearly air travel allowance. At KAUST, postdoctoral fellow contracts are typically for 1 year, renewable up to 2 times.

Interested candidates should send a CV to Dr. Thibault Guiberti (thibault.guiberti@kaust.edu.sa) and Prof. William Roberts (william.roberts@kaust.edu.sa). The start date is November or December 2019.

For any questions directly contact Dr Thibault Guiberti.

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Combustion Job Opportunity

Thibault F. Guiberti, Ph.D.

Research Scientist

Clean Combustion Research Center (CCRC) - <https://ccrc.kaust.edu.sa/Pages/Home.aspx>

King Abdullah University of Science and Technology (KAUST) - <https://www.kaust.edu.sa/en>

Thuwal 23955-6900, Saudi Arabia

Tel: +966 54 249 2338

Email: thibault.guiberti@kaust.edu.sa

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