

## Priyanka Muhunthan

Ph.D. Student in Mechanical Engineering, admitted Winter 2019

### Publications

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#### PUBLICATIONS

- **Experimental feasibility of tailored porous media burners enabled via additive manufacturing** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*  
Sobhani, S., Muhunthan, P., Boigne, E., Mohaddes, D., Ihme, M.  
2021; 38 (4): 6713-6722
- **Additive Manufacturing of Tailored Macroporous Ceramic Structures for High-Temperature Applications** *ADVANCED ENGINEERING MATERIALS*  
Sobhani, S., Allan, S., Muhunthan, P., Boigne, E., Ihme, M.  
2020
- **X-ray Computed Tomography for Flame-Structure Analysis of Laminar Premixed Flames.** *Combustion and flame*  
Boigne, E., Muhunthan, P., Mohaddes, D., Wang, Q., Sobhani, S., Hinshaw, W., Ihme, M.  
2019; 200: 142–54
- **X-ray computed tomography for flame-structure analysis of laminar premixed flames** *COMBUSTION AND FLAME*  
Boigne, E., Muhunthan, P., Mohaddes, D., Wang, Q., Sobhani, S., Hinshaw, W., Ihme, M.  
2019; 200: 142–54
- **Modulation of heat transfer for extended flame stabilization in porous media burners via topology gradation** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*  
Sobhani, S., Mohaddes, D., Boigne, E., Muhunthan, P., Ihme, M.  
2019; 37 (4): 5697–5704