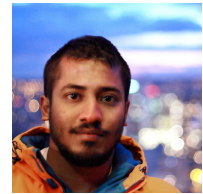


Puneeth BIKKANAHALLY MUNI REDDY

PERSONAL DATA

PLACE & DOB : Bengaluru, INDIA | August 10, 1990
NATIONALITY : INDIAN
PHONE : +33 754 17 88 17
EMAIL : puneeth.bikkanahally@gmail.com
LINKS : [Webpage](#), [LinkedIn](#)



RESEARCH & WORK EXPERIENCE

07/2022-present **Post-doc: Project CELTIC** [\[more\]](#)
Inria CAGIRE, LMAP, Université de Pau et des Pays de l'Adour

01/2022-06/2022 **Post-doc: Project MONACO_2025** [\[more\]](#)
Inria CAGIRE, LMAP, Université de Pau et des Pays de l'Adour

10/2018-12/2021 **Doctoral research thesis : Modelling turbulent flows in the natural convection regime using hybrid RANS-LES approaches** ([HAL](#))
Inria CAGIRE, LMAP, Université de Pau et des Pays de l'Adour
Supervisor : Rémi MANCEAU

10/2017-09/2018 **Auto-entrepreneur / Freelance**

04/2017-09/2017 **Master Thesis : Numerical Simulation of Pulsetube Cryocoolers**
CEA/INAC/SBT Grenoble
Supervisor : Sylvain MARTIN

11/2016-02/2017 **Academic project : Influence of Large-scale structures in the near wall region of a channel flow**
Institut PPrime, Poitiers
Supervisor : David MARX

05/2016-09/2016 **Research Internship : Study of the near-wall Coherent Structures in a ZPG TBL**
Laboratoire de Mécanique de Lille [LML] & University Lille-1, Lille
Supervisor : Jean-Phillipe LAVAL

01/2014-05/2015 **Work Package Engineer**
Gas Turbine Research Establishment (GTRE), DRDO, Bengaluru

11/2012-11/2013 **Graduate Apprentice Trainee**
Gas Turbine Research Establishment (GTRE), DRDO, Bengaluru

EDUCATION

10/2018-12/2021 **Doctorate in Fluid mechanics** ([HAL](#)) – Defended on 21/12/2023
Université de Pau et des Pays de l'Adour

09/2015-09/2017 **International Master Programme in Turbulence**
Ecole Centrale de Lille, ENSI-Poitiers & ISAE-ENSMA, Poitiers

09/2008-07/2012 **Bachelor of Engineering (Specialization: Mechanical Engineering)**
Visveswaraya Technological University (Karnataka, India)

CONFERENCE COMMUNICATIONS

A list of conference communications are available at the following link: [ORCiD](#)

PUBLICATIONS (in progress)

- A modelling strategy for log-layer mismatch in channel flows, Puneeth Bikkanahally and Rémi Manceau
- Development of hybrid RANS/LES methods for natural convection flows, Puneeth Bikkanahally and Rémi Manceau
- Sensitization of eddy-viscosity models to buoyancy effects for the prediction of natural convection flows, S.M Saad Jameel, Puneeth Bikkanahally, Rémi Manceau, and Vincent Herbert

LANGUAGES

MOTHER TONGUE : Kannada
NATIVE PROFICIENCY : English and Telugu
WORKING PROFICIENCY : French and Hindi CURRENTLY STUDYING: Spanish (A2)

DEVELOPMENT ENVIRONMENT

Operating systems: UNIX/LINUX (Computing clusters: AdastrA, Jean-zay, MCIA), Windows
Programming Knowledge : Fortran, C/C++, Python, Bash, Matlab, $\text{\LaTeX}$, Emacs lisp
CAE Tools : Code-saturne, GMSH, Salome, ANSYS-Fluent, STAR-CCM+, CATIA
Visualisation tools: Paraview, VTK, Python, Blender
Development tools: Git, Emacs, Vim

CONTACT INFORMATION FOR RECOMMENDATION/REFERENCE LETTERS

Available on request