

Assistant Professor in the Department of Mechanical Engineering

- **Apply until 02/June/2018 16:00 (Brasilia time)** UTC/GMT -3:00 hour
- **Area of Study: Numerical Methods and Simulations in Thermofluids**
- **100% Assistant professor tenure track**
- **University of São Paulo - Brazil**
- **Mechanical Engineering Department of Polytechnic College**
- **Post # 1234439**
- **Reference number: 2018_PROFESSOR_USP/RCGI**
- **More information visit: www.usp.br/rcgi area of Opportunities / Assistant Professor**

ABOUT UNIVERSITY OF SÃO PAULO

Founded in 1934, the University of São Paulo (USP) is the largest Brazilian public university and most prestigious education institution in Latin America, located in the state of São Paulo, Brazil. It is the top best South American university in most of the World University Rankings of 2018, being a leading centre of academic excellence in the region. Has a vibrant and diverse student population of about 90.000 students (60.000 undergraduate and 30.000 graduate) enrolled within 200 undergraduate and 200 postgraduate programmes offered by the university across a full range of academic disciplines.

It has a strong track record of alumni that have become CEO at the world's largest companies as well as twelve Brazilian presidents.

ASSIGNMENT

The Department of Mechanical Engineering of the Polytechnic College of USP has a vacancy for a full-time position of a Doctor Assistant Professor (Docent, Tenure Track), who will be in charge of **academic teaching** (in Portuguese or English), **scientific research** and carrying out scientific duties in the area of Numerical Methods and Simulations in Thermofluids (Thermodynamics; Fluid Dynamics and Transport Phenomena; Applications of Transport Phenomena in Carbon Capture, Storage and Use) in the Research Centre for Gas Innovation (www.usp.br/rcgi).

PROFILE

Experience

The candidate must hold a PhD or a Doctorate in Science or Engineering earned from an world class university with experience in one or more of the following areas: Numerical Methods and Simulations in Thermofluids (Thermodynamics; Fluid Dynamics and Transport Phenomena; Applications of Transport Phenomena in Carbon Capture, Storage and Use).

- Excellence in academic research in the given areas, which is clearly reflected in outstanding publications in national and international peer-reviewed books and/or journals.
- Didactically skilled to teach university students to develop academic competences.
- Excellent communication skills, a commitment to the importance of scholarship and diversity, a spirit of entrepreneurship and an understanding of the role of the university in economic development.
- Recommended but not mandatory are:
 - Experience in supervising research and/or coaching Ph.D. students;
 - International mobility, among other things thanks to research stays at institutions external to the one where the candidate acquired the highest academic degree;
 - Familiarity with the new teaching media, visual communication and the need to equip students with the varied skills they must have to succeed in an ever-changing media environment.

MAIN ADMISSION REQUIREMENTS ([please check the complete text of the Public Tender – EP/Concursos – 017/2018](#))

- The candidate must prove he holds a PhD or Doctorate in Science or Engineering granted by USP, recognized by it or of national validity already accepted as equivalent under Article 94, inc. I, of the Graduate Regiment (Resolution n ° 7,493 / 2018); recognized by USP; or of national validity.
It is recommended to initiate this procedure immediately. In order to initiate the equivalence process, the candidate should send a cover letter addressed to COMISSÃO DE PÓS-GRADUAÇÃO, in attention to the President of the Committee Professor Raul Gonzalez Lima, requesting the analysis of the equivalence of the PhD diploma and thesis in the exclusive jurisdiction of the University of São Paulo, for the participation in this Tender. Attached to the letter send a pdf copy of the doctorate thesis and a copy of the doctorate diploma. It should be sent to the e-mail: karenmascarenhas@usp.br with the title: ASSISTANT PROFESSOR POSITION – EQUIVALENCE PROCESS.
- The foreign candidate approved in the public examination and indicated to the position can only be hired if he presents a temporary or permanent Visa that provides the exercise of remunerated activity in Brazil during the period.
- Please consult the complete information at www.usp.br/rcgi Opportunities/ Reference 2018_PROFESSOR_USP/RCGI

SALARY: R\$ 10,670.76 reais per month (13 gross salaries per year) and a Research Grant of about R\$ 930,000 reais (gross value) to be applied in research projects of the RCGI in up to 48

months (depending upon hours dedicated to research in specific projects of RCGI). This Research Grant can be employed as a salary supplementation of the faculty member, following the rules of the University of São Paulo and the Brazilian Federal and São Paulo State Innovation Laws.

HOW TO APPLY: Deadline for the process: 2nd of June at 4 p.m. (Brasilia local time)

- 1) Fill in the Application form (online at the site of RCGI <http://www.rcgi.poli.usp.br/opportunities/> reference 2018_PROFESSOR_USP/RCGI)
- 2) Fill in the Application admission at <https://uspdigital.usp.br/gr/admissao>. The candidate must submit an application addressed to the Director of the Polytechnic College of USP, containing personal data and area of expertise (specialty) of the Department to which it competes, attaching the following documents:

I - detailed **Curriculum Vitae (*)** and proof of the published works, of the activities carried out pertinent to the public tender and other information that allows the evaluation of her/his merits, in digital format.

II - proof that he holds the title of PhD or Doctorate in Science or Engineering granted by USP, recognized by it or of national validity;

III - proof of discharge with military service for male candidates;

IV - voter's title;

V - voucher (s) of the last election, proof of payment of the respective fine or justification.

- Proof elements of the Curriculum Vitae referred to in item I, such as models, works of art or other materials that cannot be digitized, shall be presented until the last working day preceding the beginning of the public examination.
- Faculty Members holding positions at USP shall be exempt from the requirements referred to in items III and IV, provided that they have complied with them during their initial contract.
- Foreign candidates shall be exempt from the requirements of items III, IV and V, and shall prove that they are in a regular situation in Brazil.
- The foreign candidate approved in the public examination and indicated to the position can only be hired if he presents a temporary or permanent Visa that provides the exercise of remunerated activity in Brazil.
- At the time of registration, applicants with special needs must submit a request to provide the necessary conditions for the performance of the exams.

- At the time of registration, the foreign candidate may express in writing the intention to carry out the exams in the English language, in accordance with paragraph 8 of Article 135 of the General Rules of USP. The contents of the exams carried out in English and Portuguese will be identical.

(*) **Curriculum Vitae** – based on CV lattes model, that is used by academics in Brazil, see the information that must be included (if you prefer, you can fill in your CV in the site: <http://lattes.cnpq.br/> and include it in your materials when applying for the position):

Brief presentation summary of yourself; Personal information (Name, Bibliographic Citation, Professional Address); Formal Education/ Degree; Post doctorate and Habilitation; Professional Experience; Research Projects; Member of Editorial Board; Scientific Journal Referee; Areas of Expertise; Languages (including level of proficiency to speak, read and write); Award and Titles; Scientific, Technological, Artistic and Cultural Production (Bibliographical Production: Articles in Scientific Journals, Book Published/ Organized, Book Chapter Published, Complete works published in proceedings of conferences, Expanded Summary published in proceedings of conferences, Summary published in proceedings of conferences, Presentations of Work, Other kind of Bibliographical Production); Technical Production (Not Patented or Registered Software, Technological Products, Techniques or Process, Technical Works, Other kind of Technical Production); Other works; Boards (Participation in Course Completion Works Examination Boards: Dissertation, PhD Thesis, PhD Qualification); (Participation in Judging Commissions' Boards (Titular Professor, Government Worker Selection, Habilitation); Events (Participation in events); (Organization of Events); Academic Advisory (Academic Advisory – current) / (Academic Advisory – concluded): Master's Thesis, Ph.D.thesis, Postdoctorate supervision, Works of completion for Graduation, Scientific Initiation.

[Link for the complete Public Tender with the all detailed information.](#)

More information, please contact:

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