

Florianopolis, May 2nd, 2019.

Dear Researcher,

PrInt (Institutional Internationalization Program) is a four-year national academic exchange Program which essentially aims at boosting the scientific and technological cooperation between the best Brazilian graduate programs and world-wide renowned international institutions. PrInt is funded by *CAPES*, the Brazilian federal agency for higher education.

UFSC – the Federal University of Santa Catarina (<http://structure.ufsc.br/>) – has been awarded with some projects within the PrInt Program. One of them is the *Automation 4.0* Project, whose core theme refers to Industry 4.0.

The Automation 4.0 project focuses on the areas of Control Theory, Automation and Computing applied to the subareas of: AI and agent-based systems; intelligent and autonomous cyber-physical systems, including robotics; Internet of Things (IoT) and Industrial IoT; industrial networks and wireless communication; industrial instrumentation; process control; embedded and real-time industrial systems; service-oriented- and cloud-based systems, big data and middleware; and systems integration and interoperation.

We currently have two grants for researchers who are interested to spend 12 months here at UFSC to work in any of those subareas. The work can involve one or the three Graduate Programs members of the project, namely: Graduate Program on Systems and Automation Engineer (<http://pgeas.ufsc.br/en/>), Graduate Program on Electrical Engineer (<http://ppgeel.posgrad.ufsc.br/>), and Graduate Program on Computer Science (<http://ppgcc.posgrad.ufsc.br/en/>).

One grant, called '*PDEE*' (*Postdoctoral with Experience Abroad*), is directed to recent researchers who have taken their PhD degrees in Brazil or abroad in one of those project's subareas. They can be either Brazilian or Foreign people, living in Brazil or overseas.

The other grant, called '*JTEE*' (*Young Talent with Experience Abroad*), is directed to researchers who have taken their PhD degrees abroad in the last ten years in one of those project's subareas. They can be either Brazilian or Foreign people, and they can formally belong to some foreign institution.

A common requirement of both grants is that researchers must have a proven and relevant experience abroad in the project's subareas, especially in the last five years. This experience could have been in research institutions, industries, etc.

The selected researcher is expected to carry out high-level research together with the related faculties from those Graduate Programs, including joint MSc and PhD supervisions, writing journal and conference papers, and the teaching of specific courses in the Graduation Program(s), in English. The researcher's work can be either theoretical or applied.

Interested researchers must be formally invited by one of the faculty members of the project, who will be in charge of jointly designing the activities to be carried out here with the researcher(s).

This Call is opened to receive candidates from 6 to 24 of May of this year. Besides some general personal documents and CV, the candidate should prepare a max ten-page long plan of activities, written in English. The final results are expected to be disclosed between 24th-31st of July.

All the applications should be made by sending the required material via email directly to ppgeas@contato.ufsc.br.



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The work itself should mandatorily start between Oct 1st 2019 and Mar 31st 2020, and then 12 months from this on.

Grants' values for the 12 months, including flight ticket: 30K US\$ for JTEE, and 18K US\$ for JDEE. Consider that life cost in Brazil is much lower than e.g. in Europe.

UFSC is placed in the South of Brazil in the Florianopolis City, the Capital of the Santa Catarina state. Santa Catarina is a very industrialized state, and it has a strong European colonization, mostly formed by Italian, German, Polish, Swiss and Portuguese people.

Florianopolis is an island surrounded by several beaches, nice people, great food, and has the second largest HDI of Brazil besides being one of the most beautiful and safest cities. Florianopolis - also called as just *Floripa* - has about 500K inhabitants, has a pleasant climate and well defined seasons, with temperatures varying from 5°C in the very winter to 35 C in the summer.

Floripa is served by several daily flights to the most important cities of Brazil, with direct flights to Sao Paulo (1 hour flight) and Rio de Janeiro (1:30 hour flight). Floripa also hosts one of the most vibrant startups and ICT-based innovation ecosystems of Brazil, having more than 4K companies with a strong link with UFSC, and that are now responsible for 5% of Santa Catarina's GDP.

Should you have any doubt about the project please do not hesitate to get in touch.

Yours sincerely,

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