

Post-Doctoral Fellowship in Systems and Control, USP, Brazil

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PostDoc: USP, Brazil

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Systems and Control: Post-Doctoral Fellowship in Brazil

A Post-Doctorate Fellowship is opened for researchers who have completed his/her PhD less than seven years ago to develop research in Brazil. Candidates must hold a PhD-Doctorate degree related to at least one of the next topics: Control and Systems Engineering; Automation; Robotics; Electrical Engineering; Electronics; Mechatronics; Mathematics (pure or applied); Statistics. Candidates holding a PhD in any of the aforementioned topics are invited to apply. The successful applicant will be required to live in the city of São Paulo, Brazil, during the fellowship period. Our research facilities are located at the Universidade de São Paulo, São Paulo, Brazil.

The selected candidate will receive a Post-Doctorate Fellowship from FAPESP, Brazil (R\$ 7,174.80 per month, which is approximately equivalent to US\$ 1,800.00). The fellowship is awarded for 12 (twelve) months and can be renewed for another 12 months. The position requires a good-level of written and oral communication skills in English.

The aim of the project is to advance the knowledge on control problems for Markov jump linear systems (MJLS). Problems related to the so-called hidden Markov case will also be investigated, as well as real practical application on fault tolerant control problems. The appointed candidate is expected to build a bridge between theory and applications. The selected candidates will work under the supervision of Prof. Oswaldo Luiz do Valle Costa (USP, Brazil).

The selection process will consist of the candidate's CV analysis (first step) and an interview via Skype with the selected candidates (second step). The result of the first step of the selection process will be informed by email. The interview will be arranged with the candidates by email. Candidates should submit their documentation by email at "oswaldo@lac.usp.br". The required documentation for application are a cover letter in which the applicant justifies his or her interest in the proposed topics and an updated academic Curriculum Vitae. The deadline for applications is August 31, 2018, but applications will be accepted until the position is filled.

Starting time (tentative): November 01, 2018.