

Postdoc Positions in Chile:

The Superior Councils for Science and Technological Development of Chile (CONICYT) will call soon for the FONDECYT Postdoctoral Grants Competition.

The available grants are for 2 or 3 years. The applicants must have obtained their Doctorate degrees approximately not before January of 2015 and after the end of September of 2018 (the exact dates will appear in the page of the agency later on).

The successful applicant who is awarded a grant is expected to have a full time commitment to his (her) research work. However, the project execution is compatible with other paid academic, research and/or extension activities that involve a commitment of up to 6 hours per week in the Sponsoring Institution. These positions will start approximately in March of 2019 or shortly thereafter. The results of the applications will most likely be known during December of 2018.

The grant consist of a payment of around \$33000US per year, plus up to \$7000US for travel and general expenses (related with the research), and up to approximately \$4700US as initial expenses (for tickets and expenses for settling down in the country). The amounts mentioned above corresponded approximately to the payment considered during the last year competition.

The interested person must contact a sponsoring researcher in a university in Chile, and with his (her) help to prepare the application for funding. The successful applicant will work with the sponsoring researcher but will also be able to develop his (her) own research in the sponsoring institution.

The online system for applications will be operative during July-August of this year (the exacts dates will be known later on).

If there is a person interested in doing research in nonlinear elasticity and continuum mechanics with me as a sponsoring researcher, please feel free to contact me for further enquiries (rogbusta@ing.uchile.cl). My recent research interests are on the developing of some new constitutive models for elastic and inelastic bodies (especially for rocks), nonlinear magneto and electro-elasticity and also on the modelling of residual stresses in arteries. I do mostly theoretical work. More information is available in my web page:

<http://www.cec.uchile.cl/~rogbusta/>

For a list of my publications you can see:

<http://www.cec.uchile.cl/~rogbusta/englishRBP.html>

I would be ready to sponsor one or two people in order to apply for this funding. I am looking for a person with a strong background in nonlinear elasticity and continuum mechanics or someone with a very strong background on numerical methods for solid mechanics, who would

be interested in doing research in both theoretical and/or numerical topics within those areas of knowledge.

More information about this grant will appear in the following page (the main pdf documents about the application procedure will appear in English and Spanish; I have copies of the different documents for the application for the last year competition, which do not change significantly from year to year):

<http://www.conicyt.cl/fondecyt/2018/04/18/concurso-postdoctorado-2019/>

The department of Mechanical Engineering of Universidad de Chile is a department with a small active group of researchers, who work in areas such as solid and fluid mechanics, heat transfer, material science and robotics. More information about the department can be found in the web page (in Spanish)

<http://dimec.uchile.cl/web/en/home/>

I decided to post the information about this grant well in advance, because the application procedure requires writing a proposal, which requires time and has to be prepared carefully by the interested applicant with the help of the sponsoring researcher. Therefore, I will receive emails from interested people only until mid-July, in order to be able to help effectively the interested people with their proposals.