

**Position for an international Ph.D. student at UQTR**

**Deadline : August 13, 2019**

**Please circulate amongst graduate students**

The Research Group of Gabriel Antonius in **Numerical Physics**, located in the University of Quebec at Trois-Rivières (Canada) invites applications for international Ph.D. student. Located in Trois-Rivières (province of Quebec, Canada) the University of Québec à Trois-Rivières (UQTR) is a research-focused institution that provides outstanding support to its graduate students.

This multidisciplinary project combines algorithms and techniques from computer sciences, physics, and biochemistry. The goal is to **develop new characterization techniques of plants for the pharmaceutical industry using hyperspectral imaging**. The Ph.D. student will use **machine-learning algorithms to correlate non-destructive physical measurements with biological measurements**.

For this Ph.D. position the candidate must hold a Master Degree (or must be finishing a Master degree) or equivalent diploma, and must have exceptional academic record. The application is a competition for a scholarship of 20-25 000\$CAD/year for three years to be issued by the FRQNT (a provincial funding agency). Excellence of the candidate, both at the academic level and in research as well the fit of the candidate with the project, demonstrated by previous research experience and **strong interest of the candidate in one or several of the following fields: numerical physics, Python programming, machine learning and artificial intelligence**. Candidates can send their **CV, including a list of their publications** in peer-reviewed journal to **Gabriel.Antonius@uqtr.ca**, please indicate in the subject of the email: *PBEEE candidacy 2019*.

Application from all countries are welcome but special funding credits are reserved to students from the following countries : Brazil, China, India, Israel, Mexico and French parts of Belgium (Wallonie). The candidate(s) selected by the university to participate in the competition will be informed of their application status by the end of August (the candidates that have not been noticed by the end of August will not have been pre-selected and should not try to contact us with regards to their application status). Then the candidate will be invited to submit a formal grant application (October 2019), the results of the competition will be released in April 2020. Candidates having their own funding (full or partial) are also welcome to apply. **Applications will close on August 13.**