

The Svedberg Laboratory,
Uppsala University
Box 533, 751 21 Uppsala
Sweden

Dr. Rick Baartman
4004 Wesbrook Mall
Vancouver, B.C.
Canada V6T 2A3

Sept. 25, 2001

Dear Dr. Baartman,

I am writing to you with pleasure to inquire about if you happen to want somebody to work with you as a post-doc or research associate, whatever, in the accelerator physics field. For your reference, I would like to briefly introduce my background. Since 1989 to 1992, for my Master of Science study I investigated the isochronous magnetic field's computation, trimming and optimization in the Sector-Focusing Cyclotron at the National Laboratory of Heavy Ion Accelerator, Lanzhou, China, and practically participated in the measurements of the magnetic field, and processed and analyzed all the data. Also, I took part in the tuning and commissioning of the cyclotrons with various ion species. Later on, I was concentrated onto the R&D of a heavy ion cooler-storage ring project, mainly including the beam dynamics, beam optics, electron cooling, multi-turn injection, etc, and attained Ph.D. in accelerator physics and engineering in 1997. Since 1999 to present, I have been working on the CELSIUS storage ring as a post-doc, doing theoretical researches and participating in operation of the machine. Anyway, I have been working in the fields of cyclotron and synchrotron/storage ring for 12 years. I have strong capability of physics and mathematics as well as numerical simulation techniques on charged particle's transport and electromagnetic fields, have 8 years' experience in programming with Fortran, and am familiar with Unix/Linux, OpenVMS and Windows NT environments. In particular, I learned, used and looked into the computer programs which were developed at your laboratory, e.g. RELAX3D, CYCLONE and ACCSIM, etc. In addition, I am a Canadian permanent resident (I and my family already got immigration visas for Canada in this April). I greatly hope to have chance coming to TRIUMF to continue with researches. Therefore, I send my CV to you now. I would appreciate if you are interested in me.

Thank you very much for your attention.

Yours sincerely,

Yi-Nong Rao