



Mondi is a large producer of digital printing paper as well as packaging paper and products. Océ is a leading producer of digital printing machinery, especially in the field of high-speed inkjet printing. TU Graz together with Océ and Mondi is conducting a **CD-Laboratory for Fiber Swelling and its Effect on Paper Performance**. For the CD laboratory TU Graz has an open

PhD position (f/m)

at **Graz University of Technology**

starting fall / winter 2015

Position description: There are two key research aims. First the physical interactions during fiber swelling and their effect on fiber-fiber adhesion in paper should be better understood and quantified. Second fiber modifications are to be developed that improve the production process (paper drying) or product properties (paper strength). The position requires strong interaction with other academic institutions in Europe and four other PhDs in the project team.

Required qualifications: We aim to find a self-motivated person with strong problem-solving skills and also excellent analytical and organizational skills. The successful candidate must have the ability to communicate professionally and effectively in English, both orally and written. We are looking for candidates with a master's degree in physics, materials science or chemistry. The candidate should be interested in the industrial processes of papermaking and printing and willing to collaborate with the industrial partners on applied research problems.

Application and terms of employment: Applicants should provide the following information: letter of motivation (1 page), CV, a reference letter, a list of courses taken / grades received, and possibly a PDF file of their master thesis. Interested candidates are invited to email their application as soon as possible to ulrich.hirn@tugraz.at and robert.schennach@tugraz.at (in a single PDF file). The position is a full time (40 hrs/week) offered for 3-4 years, it is located at TU Graz (Austria).



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