



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 paper deformation during digital printing (paper curl, edge rolling, cockling / bumpiness due to ink wetting) should be reduced. Second the optimization of liquid uptake (gluing, printing) and water desorption (drying) of paper should be optimized. The main responsibility of the researcher is the development of product modifications that can be transferred to the industrial process. The position requires strong interaction with other academic institutions in Europe and four other PhDs in the project team.

Required qualifications: The candidate should be interested in the industrial process of papermaking and willing to collaborate with the industrial partners on applied research problems. 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 process engineering, materials science, chemical engineering or physics. Knowledge in the field of paper technology is an advantage.

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 (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), Institute of Paper-, Pulp and Fiber Technology.



A CANON COMPANY