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***18 Research Assistant / Research Associate
positions in Process Mining at RWTH
(11 PhDs, 5 PostDocs, and 2 Software Engineers)***

Now hiring!

**RWTHAACHEN
UNIVERSITY**



18 Research Assistant / Research Associate positions in Process Mining at RWTH

(11 PhDs, 5 PostDocs, and 2 Software Engineers)

The **Process and Data Science (PADS) group**, headed by Prof. Wil van der Aalst, is a new research group at RWTH focusing on the interplay between processes and data. The group currently offers 18 Research Assistant / Research Associate positions in Process Mining: 11 PhD, 5 PostDoc, and 2 Software Engineer positions are available starting from 1-1-2018. Interested in the interplay between processes and data? Consider applying for one of these 18 positions!

PADS symbolizes RWTH's ambitions in the area of Data Science and is supported through a recently awarded Alexander von Humboldt Professorship (Germany's most valuable international research award with a value of 5 million euros). The scope of PADS includes all topics where discrete processes are analyzed, reengineered, and/or supported in a data-driven manner (www.pads.rwth-aachen.de). Process-centricity is combined with an array of Data Science techniques (machine learning, data mining, visualization, and Big data infrastructures). The main focus is on Process Mining (including process discovery, conformance checking, performance analysis, predictive analytics, operational support, and process improvement). This is combined with neighboring disciplines such as operations research, algorithms, discrete event simulation, business process management, and workflow automation. The ambition is to realize scientific breakthroughs which will help organizations to turn event data into business and societal value. Investments by RWTH, the Alexander von Humboldt foundation, and the

Fraunhofer Institute for Applied Information Technology make it possible to realize these ambitions and to provide unique job opportunities for 18 ambitious researchers and software engineers. There are 11 PhD positions, 5 PostDoc positions, and 2 positions for Software Engineers.

Within the Process and Data Science (PADS) group there are four smaller subgroups working on (1) foundations of process mining, (2) dealing with large/distributed/streaming/uncertain event data, (3) automated operational process improvement, and (4) responsible process mining (focusing on challenges related to fairness, accuracy, confidentiality, and transparency). Depending on the interests and background of the successful candidates, the best fitting subgroup will be chosen, or new subgroups will be created.

What we offer

RWTH is one of the leading German universities and typically ranked in the top-3. With more than 43,000 students enrolled in 152 study programs, RWTH Aachen University is one of the largest technical universities in Germany. Since 2007, RWTH Aachen University is one of the few German Universities of Excellence. The computer science department hosts many strong research groups. This unique ecosystem and strong support of RWTH, the Alexander von Humboldt foundation, and Fraunhofer FIT, enables the Process and Data Science (PADS) group to take a leading role in both process science and data science. Under the leadership of Prof. Wil van der Aalst, 11 PhDs, 5 postDocs, and 2 Software Engineers will be able to contribute to one of today's most exciting research areas: process mining.

More information

See www.pads.rwth-aachen.de (still under construction) or directly <http://www.pads.rwth-aachen.de/applications/>. For the official job announcements, see

- 11 PhD positions: <http://web-p.zhv.rwth-aachen.de/mainzhv.php?scriptid=job¶m=vorschau&nr=21078&typ=engl> (English) and <http://web-p.zhv.rwth-aachen.de/mainzhv.php?scriptid=job¶m=vorschau&nr=21077&typ=wiss> (German)
- 5 PostDoc positions: <http://web-p.zhv.rwth-aachen.de/mainzhv.php?scriptid=job¶m=vorschau&nr=21090&typ=engl> (English) and <http://web-p.zhv.rwth-aachen.de/mainzhv.php?scriptid=job¶m=vorschau&nr=21085&typ=wiss> (German)
- 2 Software Engineers: <http://web-p.zhv.rwth-aachen.de/mainzhv.php?scriptid=job¶m=vorschau&nr=21095&typ=engl> (English) and <http://web-p.zhv.rwth-aachen.de/mainzhv.php?scriptid=job¶m=vorschau&nr=21093&typ=wiss> (German)

How to apply

The first cut-off date for applications is 12-11-2017, later applications are also welcomed since we anticipate multiple rounds of applications to fill all 18 positions. Please send your application via email to applications@pads.rwth-aachen.de thereby carefully following the instructions. If you have questions, please also use the address applications@pads.rwth-aachen.de.