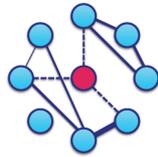# Assistant Professor in Blockchain Technology

Delft University of Technology, the Netherlands

Delft University of Technology invites applicants for a tenure-track appointment at the Assistant Professor level in blockchain technology in the Distributed Systems Group in the Department Software Technology of the Faculty of Electrical Engineering, Mathematics and Computer Science. We are looking for an exceptional individual who has the potential to become an outstanding research and education leader.

The Distributed Systems Group

The Distributed Systems group (http://www.ds.ewi.tudelft.nl), under the leadership of Prof. Dick Epema, performs world-class research in the design, implementation, deployment, and analysis of large-scale, Internet-based computer systems. It currently has three research lines: cooperative systems (blockchain technology, trust and reputation systems), big-data processing (e.g., graph processing), and scheduling in distributed computing systems (e.g., in clusters and clouds). Its research is fundamental, aimed at the development and evaluation of new generic concepts in systems software, and application-driven, motivated by important application areas. Much of it is experimental, validating the proposed new concepts by means of implementation and deployment in prototypes that are used in the real world. Our research lab on blockchain technology, led by Dr. Johan Pouwelse, strongly builds on more than a decade of research in peer-to-peer and reputation systems, and has grown into one of the largest blockchain labs in Europe. It has produced several world-first innovations such as a fully scalable blockchain architecture and a decentralized blockchain-regulated market, and it has replaced proof-of-work with trust.

The Department Software Technology

The Department of Software Technology (ST) is one of the leading Dutch departments in research and academic education in computer science, employing over 150 people. The department ST is responsible for a large part of the curriculum of the bachelor's and master's programmes in Computer Science as well as the master's programme in Embedded Systems. The inspiration for its research topics is largely derived from technical ICT problems in industry and society related to large-scale distributed processing, embedded systems, programming productivity, and web-based information analysis.

The Faculty Electrical Engineering, Mathematics and Computer Science

The Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS) is known worldwide for its high academic quality and the social relevance of its research programmes. Offering an international environment, the faculty has more than 1100 employees (including about 400 PhD students) and more than 2100 bachelor's and master's students. Together they work on a broad range of technical innovations in the fields of electrical sustainable energy, microelectronics, intelligent systems, software technology, and applied mathematics.

Job description

The Distributed Systems group is looking for a talented, ambitious, and enthusiastic individual. His/her responsibilities include:
• Conducting research in the field of blockchain technology, including the (co-)supervision of PhD students, collaboration with other academic partners and industry, and acquiring external research funding and (co-)managing externally funded research projects;
• Teaching and developing new education at the undergraduate and graduate levels, including the supervision of bachelor's and master's students in their graduation projects;
• Transferring knowledge and technology to external parties;
• Performing department and faculty management tasks.

The successful candidate is expected to significantly strengthen the research portfolio in blockchain technology of the Distributed Systems group.

The TU Delft Tenure Track (http://www.tudelft.nl/tenuretrack), a process for Assistant Professors leading up to a permanent appointment with the prospect of becoming an Associate or a Full Professor, offers young, talented academics a clear and attractive career path. During the Tenure Track, TU Delft offers a structured career and personal development programme, and the successful candidate will have the opportunity to develop into an internationally acknowledged and recognised academic.

Requirements
Applicants must have a PhD degree in distributed systems or distributed algorithms, preferably in the area of blockchain technology or crypto-currencies, a proven track record of research excellence, the ambition to strengthen and expand the research and teaching of the Distributed Systems group, a team player mentality, and good communication and social skills. Preferably, the successful candidate has experience in teaching at the university level.

Conditions of employment
Tenure-track Assistant Professor positions at TU Delft are offered for six years. Based on performance indicators agreed upon at the start of the appointment, a decision will be made by the fifth year whether to offer you a permanent faculty position.
TU Delft offers a customisable compensation package, a discount for health insurance and sport memberships, and a monthly work costs contribution. Flexible work schedules can be arranged. An International Children's Centre offers childcare and an international primary school. Dual Career Services offers support to accompanying partners. Salary and benefits are in accordance with the Collective Labour Agreement for Dutch Universities. The gross salary per month for this position is €3238 to €4757. In addition to your salary, at TU Delft you will receive an annual holiday allowance of 8% and a year-end bonus of 8.3% of your gross monthly salary.
TU Delft sets specific standards for the English competency of the teaching staff, and offers training to improve English competency.
Inspiring, excellent education is our central aim. If you have less than five years of experience and do not yet have your teaching certificate, we allow you up to three years to obtain this.

Information and application
For more information about this position, please contact Prof. D.H.J. Epema, phone: +31 (0)15-2783853, e-mail: D.H.J.Epema@tudelft.nl. To apply, please e-mail an application letter, a detailed curriculum vitae including a publication list, research and teaching statements, and the names of three references by October 9, 2017 to P.T.M. van den Bergh, Hr-eemcs@tudelft.nl.
When applying for this position, please refer to vacancy number EWI2017.32.