The Department of Computer Science (CS) at Technische Universität Kaiserslautern (TUK) invites applications for the positions of

**Professorship (W2) in Theoretical Computer Science with Focus on Algorithms (m/f/d)**

We are seeking an internationally visible candidate with research focus on algorithms and complexity. Areas of interests include, but are not limited to: algorithms and data structures, computational complexity, fine-grained complexity, randomness in computing, algorithmic graph theory, combinatorial algorithms, approximation algorithms, cryptography, computational learning theory, differential privacy, algorithmic game theory, parallel and distributed algorithms, quantum computing, algorithmic coding theory, computational geometry, computational applications of logic, optimization, algebraic algorithms, proof complexity, persistent data structures, and energy-efficient algorithms.

We are looking for an expert with outstanding academic qualifications, as evidenced by a proven record of high-quality publications in renowned venues in algorithms and complexity (e.g., SODA, STOC, FOCS, STACS, COLT, ICALP, etc.). We search for candidates with experience in third-party funding and the implementation of projects, as well as excellent teaching skills. We are interested in candidates that can complement our research strengths and are interested in and capable of collaborations with existing research groups at the university (disciplinary or interdisciplinary), which include Algorithm Accountability Lab, Automated Reasoning Group, Embedded System Group, Machine Learning Group, and the research groups in theoretical computer science at the Max-Planck Institute for Software Systems, to name a few. Successful candidates will develop an independent and creative research program, teach an algorithm and data structure course at bachelor level (in German), participate in teaching at master level (in English), and supervise PhD students.

Kaiserslautern is one of the largest computer science locations in Germany. The department combines foundations in education with excellence in applications, and regularly ranks among the top universities in German rankings. More information about the Department of Computer Science can be found at http://www.informatik.uni-kl.de/en/. Research groups of the department of computer science have the opportunity to cooperate with its affiliated research institutes, i.e., the German Research Center for Artificial Intelligence (DFKI), the Fraunhofer Institute for Experimental Software Engineering (IESE), the Fraunhofer Institute for Industrial Mathematics (ITWM), and the Max Planck Institute for Software Systems (MPI-SWS). This variety of research institutes in Computer Science is unique throughout Germany.

Note that, in addition to public service employment regulations, the conditions of employment regulated in §49 of the Universities Act of the state Rhineland-Palatinate apply. The text can be found on the homepage of the University of Kaiserslautern (in German only: https://www.uni-kl.de/intern/meine-tuk/hauptabteilung-1/rechtsvorschriften/).

Rhineland-Palatinate and the University of Kaiserslautern support a mentoring concept in which teachers are expected to be present on campus as much as possible. Candidates must be willing to cooperate with the self-administration at the university. The University of Kaiserslautern strongly encourages qualified female academics to apply. Kaiserslautern is a family friendly university which offers a high level of support to applicants with children. Disabled applicants will be given preference when equally qualified (please enclose evidence).

With your application, you consent to the further internal processing of your data for official purposes in accordance with the European Data Protection Basic Regulation (DS-GVO) and the State Data Protection Act RLP.

To apply, please send your application until **22 Nov. 2020** in a single PDF file to: dekanat@cs.uni-kl.de

Alternatively, you can ask for an upload link or you can send your application via postal mail to the following address:

**Dean of the Department of Computer Science**
Technische Universität Kaiserslautern
PO Box 3049, D-67653 Kaiserslautern

The following information is requested, either in German or English (English is preferred): completed candidate data sheet (http://cs.uni-kl.de/en/goto/w2-alg), cover letter, CV (education, appointments, awards, community service), list of all publications and selected talks, list of (e.g., five) representative publications (including electronic link or pdf attached), grants, research statement, teaching portfolio, course evaluations, trainings (if applicable), certificates, list of international collaborators and their affiliation, and references (or their contact information).

For further information please contact Prof. Anthony Lin (anthony.lin@cs.uni-kl.de).