Anbieter

Universität
Universität Stuttgart

Institut / Einrichtung
Institut für Parallele und Verteilte Systeme (IPVS)

Kategorie
Wissenschaftl. Stellen

Angebot

Titel
PhD / Postdoc in Computer Science - Data Analytics for Adaptive Construction

Einsatzort
Universitätsstr. 38
70569 Stuttgart
Deutschland

Beschreibung

We are currently seeking applicants as doctoral students / postdoctoral researchers to work within the highly interdisciplinary and inspiring environment of the Cluster of Excellence on Integrative Computational Design and Construction for Architecture - IntCDC for short (see https://www.intcdc.uni-stuttgart.de).

In this context, the Data Engineering group at the University of Stuttgart (see https://www.ipvs.uni-stuttgart.de/departments/de/) will conduct research in data management and analysis to enable integrative data processing, bridging between computational design, simulation, fabrication, and cyber physical construction.

We seek a new team member to join the Data Engineering group and work on specific projects in the context of the IntCDC excellence cluster. Research will be performed in close collaboration with other researchers of the cluster and with a strong focus on the application domain. The ultimate goal of our research will be to establish the data processing backbone of digital processes that enable integrative design and construction. One particular aspect of the research is the development of solutions for streamlined adaptive fabrication based on data analysis and data feedback from the construction site. Proposed solutions will be deployed during the construction of demonstrator buildings.

To apply, please send the following application documents in a single PDF by email to Prof. Dr. Melanie Herschel. Applications will be considered until the position is filled.

- A brief motivation letter
- A short CV
- Scan of transcripts of your Master degree
- At least two links to papers or reports you have written so far (e.g., your BSc and MSc theses, seminar papers, or even peer-reviewed publications)
- Optionally, also provide a link to GitHub or similar

We are looking forward to your application and please contact Prof. Herschel if you have any further questions.

Anforderungsprofil

Candidates should ideally satisfy the following requirements:

- Excellent Master degree in Computer Science (or equivalent)
- Proficient in writing and speaking English
- Knowledge in data management and data analysis
- Excellent communication skills
- Team player and motivated to work in an interdisciplinary project
- Self-organized, creative, and autonomous

Vergütung: TVL-13

Art der Beschäftigung: Vollzeit

Zeitraum der Beschäftigung: nach Vereinbarung

Bewerbungsfristende: Freitag, 1. Mai 2020 - 23:59

Kontakt

Vorname: Melanie

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Bitte beziehen Sie sich in Ihrer Bewerbung auf https://www.stellenwerk-stuttgart.de/