Are you someone who enjoys using your research mindset to explore and innovate? Do you want to collaborate with committed people and achieve results together to develop truly human centric innovation?

Well, here at Fujitsu Research of Europe (FRE), we are combining research and industrial innovation to transform businesses and society. FRE is a multidisciplinary centre which, as part of Fujitsu's global R&D activity, conducts research and innovation – achieving together whilst supporting our employees.

Shape your world

We are looking for a researcher in our Converging technologies Research Group, working on the Social Digital Twin (SDT) project. The SDT develops solutions to social issues. We create integrated technologies that combine large scale data with knowledge from a variety of fields, including data science, the humanities and social sciences. We are developing systems that use real-world, real-time data to create digital twins that mirror the behaviour of complex systems – cities, transport, power – and enable their management. Our systems are developed for real-world requirements.

We are seeking a creative researcher with an interest in software development who can integrate our leading-edge technologies and data sources to create challenging examples of the SDT in action.

Your role will involve:

- Evaluating requirements for SDT applications
- Identifying suitable technologies and data (from Fujitsu Laboratories or elsewhere) to fulfil these requirements
- Designing and implementation of proofs of concept or prototype systems to demonstrate the SDT
- Acquiring domain knowledge of SDT application areas to communicate the benefits to our stakeholders
- Generating IP and publishing work in top academic conferences and journals

Your experience

To be suitable for this opportunity, you will be pro-active in your approach, adaptable and able to demonstrate that you have:

- A Post-Graduate qualification in a relevant field e.g. PhD or similar
- Experience in the simulation of complex systems
- Understanding of the principles of software engineering
- Proficiency in object-oriented programming language
- Experience in cloud development environment e.g. AWS or Azure
- A track record of writing academic publications

- Excellent written and verbal communication skills

The following skills are optional but desirable:

- Smart cities, transport systems, power networks
- Data driven applications (IoT, streaming data etc.)
- Large-scale simulation of physical systems
- Experience in development using Infrastructure as Code

Shape your world and achieve together

We want the best people on our team, so we welcome and encourage applications from people with a diverse variety of experiences, backgrounds and identities. The role may demand some travel and flexibility to meet business needs, within a culture of respect for professional and private commitments. We are committed to equality of opportunity for all.

If you want to work alongside people with different ideas, in an inclusive business, that will welcome you and support you, come and co-create the future at Fujitsu.

#Shapeyourworld