Position of Junior Professor in France (N° 1856) - **University of Rennes**
Laboratory : LTSI UMR 1099 INSERM

Research: Digital twin, artificial intelligence and surgical data science for interventional assistance in the operating room of the future

Key words: Computer Science, Modelling Tools, Biomedical Engineering, Electrical Engineering, Computer Engineering.

The research activities target two complementary questions:
(1) digital twin development in the context of treatment delivery and interventional strategy optimization. The targeted approach is based on the coupling between real and virtual patient-specific environments, with predictive modeling capabilities;
(2) data analysis by artificial intelligence (AI) to optimize the surgical management of patients and the training of practitioners. Its context is the surgical operating theater of the future.
The teaching concerns the techniques of analysis and exploitation of massive heterogeneous data and computational modeling of dynamic systems, at the Master's level in data science and hybrid modeling.

Teaching: Data Science and Modeling

More details :
Adresse http, avec en lien le fichier joint (fiche du poste détaillée)

To candidate : before 22th May 2023

Application via the GALAXIE application: N° position : 0062

https://galaxie.enseignementsup-recherche.gouv.fr/antares/can/astree/index.jsp