

### \*\*\* PhD Research Position in Adaptive Data Visualizations\*\*\*

We are seeking an outstanding and highly motivated PhD candidate to join the InSPIRE Research Centre, Nicosia, Cyprus, and contribute to a new project in the area of business data analytics, user modelling adaptation and personalization. More specifically, the project aims at enabling human-centered adaptive data visualizations that will facilitate more efficient and effective data exploration and analysis of complex and multivariate business datasets, in order to enable more effective decision making on critical business tasks. This includes research related to the design/framework of business scenarios and tasks, selection of user modelling factors related to cognitive abilities, expertise and data analytic skills, adaptation and personalization, and data visualizations components, etc. The PhD researcher will also be involved in parts of the development (programming) of the adaptive data exploration platform. Furthermore, the PhD researcher will collaborate and exchange with faculty members, business partners, research assistants and BSc/MSc students who will contribute at the various phases of the project.

The PhD Researcher will be working under the supervision of Dr. Panayiotis Andreou and Dr. Panagiotis Germanakos, and will join an active, supportive, and vibrant interdisciplinary research environment and team.

#### **Responsibilities:**

- Conduct basic and applied research in the areas of data management, data analytics, user modelling and adaptive systems
- Perform studies with business users with direct impact on real-life business tasks and decisions
- Create reports and deliverables in line with the project tasks
- Develop software components and platforms for realization of the project objectives

#### **Required Qualifications:**

- BSc/MSc in Computer Science, Information Systems, Human-Computer Interaction or related area
- Strong software development skills, especially web-based programming
- Experience with research
- Greek language proficiency
- English language proficiency (intermediate level or higher)
- Strong communication skills
- Self-motivated with a strong work ethic and ability to work independently

#### **The following will be considered an advantage:**

- Familiar with HCI concepts and methods for UX design and development
- Knowledgeable with research methods in HCI (e.g., empirical research, experiment design, questionnaire design) as well as statistical methods
- Experience with JavaScript data visualization frameworks
- Data Science Experience
- Participation in end-user studies

#### **Position Details:**

- Preferred start date is October 1st, 2019. Option to start earlier or later can be negotiated
- The position is for two years, with the goal of applying for additional funding
- Flexible in-out hours, 8 hours per day
- Work will be carried out at InSPIRE