Partnering Opportunity

Research & Development Request

H2020 ICT 55-2020: Partners with expertise in human machine interface, User interface (UI), User experience (UX) and virtual reality (VR), augmented reality (AR) required.

Summary

This UK software company specialist in artificial intelligence and machine learning, seeks research cooperation agreements to create a consortium for the H2020 bid ICT-55-2020. Research and commercial partners will be expert in advanced interactive technologies to reduce the user learning cycle for complex design applications.

Details

Description

The UK company seeks research and commercial organisations to join in a consortium for the Horizon 2020 Interactive Technologies ICT -55- 2020 bid. The company is seeking to be the coordinator of the consortium.The client aims to submit the H2020 at the cut-off date of the 13th November 2019.

Collaborations in both research and development are required in software development, human machine interface, User interface (UI) / User experience (UX) and virtual reality (VR) / augmented reality (AR) practitioners and researchers.

Examples of the applications of the client's technology:

Professional technical design applications often have many similarities at the coding level but have vastly different user interfaces. For a user, it is like having to learn a new language or dialect every time he or she needs to work with a new program. The project's technology will identify similarities with other applications at the coding level and provide the user with a more accessible interface that over time learns about the user and their preferred working method and applies that to run tasks best suited to one of the multitudes of programs in the background.

The technology learns how a reasonably experienced user interacts with a similar piece of software they are familiar with such as Autodesk Maya. Based on the learning of user interactions, it progressively adapts a unique web-based user interface. This is populated based on user interactions, leading questions and knowledge the system has acquired.This technology will learn that language and translate for the user and provide an interface that learns about him/her and that user's preferred working method then applies that to run tasks best suited to one of the multitudes of programs in the background, reducing time spent on learning techniques and scripting.

Currently, users must learn new programs or adapt their expertise every time they need to use another program. Tutorials and extensive learning are the current way to access new programs.The main aim of the project is to research and develop an interactive piece of creative software up to a proof of concept (POF) level. Then develop potential commercial models based on the value that the initial and subsequent releases will deliver.To achieve this proof of concept stage, the company need to build a consortium as part of the Horizon ICT-55-2020 call.

The long-term ambition is to have the technology access multiple industry standard pieces of software, picking and choosing the best aspects of each for the job at hand, organising and processing file transfers between them in order to keep everything in one place.

Deadline for receiving EOIs: 16th September 2019
Anticipated project duration: 2 years

Advantages and Innovations

The key innovation and advantage is the technologies' ability to reduce the end users' time spent on learning techniques and scripting. Opening up user access through machine learning to specialist tools that may normally taken the learner far longer to learn.

Technical Specification or Expertise Sought

The company is seeking expertise in the following areas:
- User interface (UI) / User experience (UX) research and design companies or institutions.
- Software development for both traditional & virtual reality (VR) / augmented reality (AR).
- Expert trainer and testers within the design industry.
- University research within the human machine interface (HMI) / VR / AR areas.

Stage of Development

Concept stage

Comments Regarding Stage of Development

In the early stages of the concept.

IPR Status

Secret Know-how,Design Rights,Trade Marks,Copyright

Ref: RDUK20190726001

Keywords

Technology

01003003	Artificial Intelligence (AI)
01003006	Computer Software
01003007	Computer Technology/Graphics, Meta Computing
01003012	Imaging, Image Processing, Pattern Recognition
01003018	User Interfaces, Usability

Market

02006004	Data processing, analysis and input services
02007004	Program development tools/languages
02007007	Applications software
02007016	Artificial intelligence related software
02007020	Artificial intelligence programming aids

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI :   Yes

Dissemination

Relevant Sector Groups

Creative Industries

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2019

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Dutch
German

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

Type of partner sought: Company or university/research institution and software development in both traditional & virtual reality (VR) / augmented reality (AR) as well as expertise in the following areas:
- User interface (UI) / User experience (UX) research and design.
- The collaboration of research in human machine interface (HMI) / VR / AR is also welcomed.

Type and Size of Partner Sought

SME 11-50,University,R&D Institution,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Ref: RDUK20190726001

Call title and identifier

Information and Communication Technologies
Call ID: H2020-ICT-2018-20

Interactive Technologies ICT -55- 2020

Submission and evaluation scheme

Single stage submission

Anticipated Project Budget

€2,000,000

Coordinator Required

No

Deadline for EOI

16 Sep 2019

Deadline of the Call

13 Nov 2019

Project Duration

104 week(s)

Weblink to the Call

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ict-55-2020;freeTextSearchKeyword=;typeCodes=1;statusCodes=31094501,31094502,31094503;programCode=H2020;programDivisionCode=null;focusAreaCode=null;crossCutti

Project Title and Acronym

Interactive technologies to reduce the learning cycle for complex design applications (ITRLC)