

Research & Development Request

H2020 ICT 19 - 2015: Technologies for creative industries, social media and convergence: Semi-automatic translation from spoken language into sign language

Summary

An Austrian company specialized in producing accessible information for deaf people is looking for partners to jointly submit a proposal in the call ICT 19-2015. The company has developed a system for semi-automatic translation from spoken and written language into sign language. The main objective of the project will be the generation of intelligent methods and tools in the context of avatar based video production for various applications such as television and the internet.

Reference RDAT20150126001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Client Country

Austria

Partner Sought

Type and Role of Partner Sought

Type of partner(s) sought:

- Studios for animation (films) and motion capturing
- Institutes for sign language (university, linguistic)
- Research Institute for Artificial Intelligence specialised on language technologies
- Software developer
- End customers of the creative industries e.g. television station, animation studio

The partners should be able to cover one or preferably several of the requested fields of expertise.

Required skills and Expertise in:

- motion capturing technologies
- animated film and video production and rendering
- pattern recognition
- learning IT-Systems
- in avatar technology
- in database technology
- in statistical methods
- in semantic methods
- in the animation software Maya
- in the computer language Python
- in sign language linguistic including prosody of sign language

Description of work to be carried out by the partner(s) sought:

Motion Capturing

Development of a complete system (software and hardware components) to

- create motions by motion capturing
- transfer these motions to an existing rig for further operations.

Important is high precision in regard of hand movements (detailed capability of expression of hand orientation including finger movements).

Pattern recognition in "movie data"

Enable the automatic comparison of movements (sign language signs) in video films and animated films. The goal is to identify similar movements. The comparison covers movements of humans (persons) within different video films, humans in video films with avatars in animated films and avatars in different animated films.

Image processing /rendering

Integral solution for optimization of the image processing and the rendering procedure has to be developed. The data which has to be handled results from the program Maya.

Transition Algorithms

Developing transition algorithms for the optimization of the avatar movements.

Automatic character design

The solution covers two parts:

- Part 1: Solution enabling the automatic identification of the appearance of a person (human) in a video or a photo. Based on the identified criteria an avatar will be created automatically (look-alike).
- Part 2: Based on specifications e.g. professor, caring grandmother or naughty child the

systems automatically proposes the look of an avatar.

Improvement of the Learning Systems

Improvement of a database solution to generate translation proposals based on already done translations in the past. The quality of the translations increases with each single case.

Improvement of prosody of the translation

This topic covers two parts:

- Part 1: Analyse the systematics of the prosody in different sign languages e.g. ASL or DGS.
- Part 2: Integration of the identified prosody systematics into algorithm for the automatic integration into the avatar movements.

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, SME 51-250

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020- REFLECTIVE-6-2015: Innovation ecosystems of digital cultural assets

Summary

A Turkish University is going to propose a project, that aims to inquire the possible gains for knowledge societies if Ottoman moving images are digitally archived and made accessible to all interested. The university is looking for partners with experience in international project management and in the issue of Cultural Heritage And European Identities and its impact assessment for H2020-REFLECTIVE-6-2015 call.

Reference RDTR20150121001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

University

Client Country

Turkey

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Industry, consultancies, research institution, NGOs/voluntary organisations
- Specific area of activity of the partner: Knowledge and innovative competence in digital archives, big/ in depth and specific data. State of the art technical capacity and expertise in grand project management, grand visual events. Initiative and/ or moderator role in research based knowledge hubs, diverse networks and collaborative work on Ottoman/ European historical and cultural assets including creative media of all formats, generics and moving images to be digitized.
- Task to be performed: One partner is sought to be the project coordinator. Other partners share the contribution to the work packages on the basis of their field of experience.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-REFLECTIVE-5-2015: The cultural heritage of war in contemporary Europe

Summary

A Turkish university is going to propose a project aiming to map out the heritage of World War One in the modern mindset of Turkish nation, which has hitherto been left unstudied from a comparative perspective. The university is looking for partners with experience in international project management and in the issue of Cultural Heritage And European Identities and its impact assessment for H2020-REFLECTIVE-5-2015 call.

Reference RDTR20150121002

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

University

Client Country

Turkey

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Higher education / university, research institution, public partner, NGOs / voluntary organisations
- Specific area of activity of the partner: Conflicts in memorial practices, media and popular culture, political appropriation, education, heritage preservation and related cultural heritage tourism.
- Task to be performed: One partner is sought to be the project coordinator. Other partners share the contribution to the WPs on the basis of their field of experience.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

LCE-02-2015: Search for hydro power and biomass related partners

Summary

A Greek SME, having submitted for the Phase 1 of H2020-LCE-01-2014, is working on new methods for the integration of water and energy. The main resource for optimization is water, with the parallel use of energy from hydropower, biomass and sun. The SME is going to submit a proposal for stage 2 under the same topic and they are looking for partners dealing with design and cost studies of hydropower and biomass.

Reference RDGR20150116001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

The Greek company is looking for companies, industry and research organizations able to participate in the project. The areas of interest are: design & calculating the cost of hydro power and biomass as described in following: a) The challenge is however to make hydropower in the >100MW range available in a time as short as possible; b) Improving efficiency of low emission biomass heating systems while widening the feedstock base.

- Specific area of activity of the partner: Design and cost study of hydro power and biomass.

- Task to be performed:

1. Hydropower: Increasing flexibility of hydropower. Hydropower is still amongst the largest sources of renewable energy. The challenge is however to make hydropower in the >100MW range available in a time as short as possible. New technologies need to be developed to increase ramping rates and to allow start-stop-cycles to reach up to 30 times per day depending on head and volume, while lifetime of components and respective life time prediction methods under heavy-duty operating conditions are considerably improved while avoiding adverse effects on downstream water courses.

2. Improving efficiency of low emission biomass heating systems while widening the feedstock base. Current residential-scale boilers can combust only one type of feedstock (e.g. wood chips, wood pellets). New flexible and robust residential-scale low emission boilers for heat applications need to be developed using a wider range of sustainable feedstock (including mixtures) with high ash content such as agricultural and forest residues, upgraded solid or liquid bioenergy carriers with higher energy density and industrial by-products

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

EUROSTARS: Urgent R&D performing SME in order to track and preserve digital contents from companies and individuals

Summary

A Spanish SME is willing to submit a Eurostars 2015 project proposal in order to ease the tracking and preservation of digital contents that companies and individuals distribute through social networks. This proposal is led by a Spanish SME and seeks another R&D performing SME with experience in documentary management and archiving solutions and/or direct link to the end-users market.

Reference RDES20150122001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

A non-Spanish R&D performing SME from a country eligible for Eurostars funding (<https://www.eurostars-eureka.eu/funding>) is being sought. The partner sought should assume a part of the foreseen development or market introduction, including one or more of the following:

- Experience in documentary management and archiving solutions
- Direct link to the end-users market (e.g. ISPs, cloud companies, etc.)

The company needs to have good financial accounts as requested by the programme.

There is no specific restriction to specific countries, though United Kingdom and France partners are preferred.

Type and Size of Partner Sought

SME 11-50, SME <10, SME 51-250

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-PHC-28 Development of predictive and patients' decision support systems and personalized platforms. Partners and consortia sought

Summary

A Spanish R&D institution is willing to participate within a H2020-PHC-28 (Self management of health and disease and decision support systems based on predictive computer modelling used by the patient him or herself) project proposal. They will contribute developing user modelling and profiling platforms, predictive systems and patients' decision support systems and personalized health recommendations' platforms. Partners interested in submit a PHC-28 proposal are being sought.

Reference RDES20141201003

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Partners (SMEs, universities and other R&D institutes) are being sought for a PHC-28 consortium in order to:

- Improve the participation of the patient in the care process.
- Improve the management of a disease by reducing the number of severe episodes and complications.
- Increase the importance of the prevention sector in healthcare using predictive modelling.
- Boost the development of personal devices used for self-management of health.
- Improve individual self-control of health and of disease prevention.

Type and Size of Partner Sought

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

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-NMP-22-2015: German university seeking industrial partners to develop innovative lightweight components based on fibre-reinforced materials for automotive, aerospace, energy applications

Summary

A German university active in materials research seeks industrial partners for an Innovation Action (IA) under H2020- NMP-22-2015, deadline 26/03/2015, stage 1. Main concept: to develop and produce novel generation of lightweight components based on fibre-reinforced materials for automotive, space, energy applications. Partners sought should deal with fibre production, metal film/sheets, joining, soldering, bonding, ultrasound, packaging, post treatment; for research cooperation agreements.

Reference RDDE20150123002

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

University

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

Draft title: Improving the material properties of light metal foam structures by integration of fibers

Seeking partners for the following WPs:

WP1: fiber supplier / WP2: metal film / sheets

Fiber reinforced light metal films can be recordable be prepared by high-pressure spraying or continuous casting. A particular challenge is the composite of fiber and metal whose quality has a decided influence on the strength of the films. Prerequisite for composite optimization is a comprehensive characterization of fiber and fiber surface. For the pre-treatment of the fibers both chemical (order of coupling agents) as well and physical methods (laser treatment, plasma treatment) can be used. The metal film produced will also be subjected to a comprehensive and mechanical characterization. The structural behavior of the films is simulated at the meso and macro scale.

WP3: joining – soldering / WP4: joining – bonding / WP5: joining – ultrasound

Joining technologies to be developed and evaluated for the composite metal sheet/metal sheet, metal foam/metal foam and metal sheet/metal foam. These adhesive, laser and hybrid technologies and friction stir welding are to be used, which are assessed in terms of their application potential. The characterization of the composites with respect to the bonding strength is carried out after mechanical and thermal stress. A further approach to the production of film-sandwiches foam is to provide the above-mentioned Foaming directly between two fiber-reinforced (and possibly the optimization of the composite surface-treated) metal foil perform. Advantages of this method are the smooth surfaces of the sandwiches and cheaper production costs compared to the subsequent joining of the two materials. Parallel to the investigations turn simulations are carried out at the meso and macro scale.

WP6: design and structure review

The developed composites are evaluated in terms of their structural behavior, which in turn simulations are used. It also fracture mechanics concepts are used. From this interpretation recommendations found for the components. A topology optimization and sustainability assessment completes this working.

WP7: monitoring

With regard to the failure of the composites studies on crack initiation to the failure modes, crack development in foil, metal foam and interface are performed. This destructive and non-destructive testing methods are used. The cracked structures are assessed for their durability.

WP8: post-treatment

The tool composites produced are subjected to surface treatments that are intended to improve the surface properties with respect to their corrosion resistance, their functionality and processing depending on the desired application. Introduction of fiber materials with sensory characteristics in the surface can significantly enhance the potential use of the new master material composite.

For further processing of the material parts of both separating and joining processes are necessary. For the separation of laser-based methods are considered. In addition to the material parts is to ensure that the joint shall show no significantly different properties than the composite. This is to be ensured by means of laser processes.

Type and Size of Partner Sought

SME 11-50, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

PS -urgent- Horizon 2020: Consortium is looking for a coordinator from industry with expertise in smart grid/home automation technologies for project on micro grids related to building blocks

Summary

A German university of applied science is looking for a coordinator for a proposal submitted under Horizon 2020 – EE-06-2015. The project aims at the development of micro grids in and around buildings that result in self-sustaining building blocks to be used as service providers to DSOs (Distributing System Operators) as basis for Smart Cities. They are searching for a research co-operation with an industrial partner with expertise in smart grid/home automation technologies.

Reference RDDE20150129001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

University

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

- Type of partner sought:
industry (large or SME)

- The partner should have experience in:
 - *home automation technologies
 - *EC-funded or national projects in the energy sector.

- Task and role of the partner:
 - *technical coordination of the project
 - *explore the balance between ownership, privacy and regulation
 - *explore the requirements of the communication infrastructure

Deadline for Eols: 28 February 2015

Type and Size of Partner Sought

SME 11-50, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-YOUNG-4-2015 - Youth out-migration from rural areas

Summary

The project is proposed by a Hungarian independent research institute aiming at exploring the attitude of young people toward the changes caused by the phenomena of ageing society, and also their expectations toward policy making. The institute is looking for partners with experience in international project management and in the issue of youth unemployment and out-migration in and from rural areas for H2020-YOUNG-4 call for proposals.

Reference RDHU20150121001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Client Country

Hungary

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Research institute, university, SME in the field
- Specific area of activity of the partner: European youth unemployment, territorial and regional development, development of rural areas, aging societies
- Task to be performed: One partner is sought to be the project coordinator. Other partners share the contribution to the WPs on the basis of their field of experience. Analysis of the reasons for European youth unemployment, overview of the youth policy and their impact in regional and local level, selecting and analysing case-studies are foreseen to be separated WPs. A comprehensive method of analysis will be developed first together. The thus acquired knowledge and obtained results will be shared on the common website and exchanged and discussed on a conference. Therefore analytical, content sharing and organisational tasks will also be delegated to the partners. Partners' task will be to disseminate the results of the research project continually, to make it visible in the field, where they are present.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Partners with sensor and device development expertise sought for H2020 Personalising Health Care proposal

Summary

An Italian SME is developing a project proposal for the Personalising Health Care call and seeks partners with expertise to develop a sensor for objective data, to develop a small hand-held device to be used by patients, to evaluate the state-of-the-art from which to launch the project, and to handle IPR issues. One partner might bring more than one of the expertise areas sought. The call deadline is 21 April, deadline for Eols is 20 March 2015.

Reference RDIT20150116001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

The consortium has an Italian SME coordinator and two other Italian partners so it seeks partners from other eligible countries (not Italy). They can be enterprises or academic, with expertise in R&D for sensors and small electronic devices. Other tasks to be assigned are a survey of the current state-of-the-art, and the management of IPR issues.

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020: Manure vermicomposting for manufacturing of safe products with specific agronomic traits

Summary

Greek research laboratory expert in producing high quality vermicompost from animal waste is looking for a research or academic institute specialized in soil microbiology and/or SMEs specialized in waste composting in order to produce, ameliorate and standardize a highly growth-promoting and environmentally-friendly vermicompost. The proposer intends to submit a project proposal under H2020 topic WASTE-7-2015 on Ensuring sustainable use of agricultural waste, co-products and by-products.

Reference RDGR20150115001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

University

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Research or academic institute and SME
- Specific area of activity of the partner: Research or academic institute specializing in soil microbiology, SME specialized in waste composting is also highly desirable
- Task to be performed: production, amelioration and standardization of a highly growth-promoting, environmentally-friendly and pathogen-free vermicompost from animal manure (and other waste).

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, SME 51-250

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Looking for schools, colleges and educational services providers to join an Erasmus+ programme

Summary

A group of schools, colleges with the relevant council have created a strategic partnership to address issues of under-performance and progression to employment in the town. They are looking for other public and private schools, colleges to join the consortium and develop, co-create and transfer evidence-based practice to improve outcomes for children and young people as part of an Erasmus+ funded project.

Reference RDUK20150120001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

Other

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The client is looking for other public and private schools, colleges to join the consortium and develop, co-create and transfer evidence-based practice to improve outcomes for children and young people as part of the Erasmus+ project.

Type and Size of Partner Sought

University,R&D Institution

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

Interreg North West – Looking for research institutions to join consortium on low carbon project

Summary

A leading university is looking for research institutions putting a consortium together to bid for a low carbon project under Priority 2 North West Europe (NWE) Interreg, aiming at increasing the uptake and impact of innovative low carbon technologies across all non-domestic building archetypes in a number of European cities using a building user focus.

Reference RDUK20150121001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Client

Type and Size of Organisation Behind the Profile

University

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

Looking for research organisation with links to a city with a low carbon strategy that refers to buildings. Research institute should possess a technology or solution for usable low carbon buildings that they are prepared to champion and implement. Organisations must be located in an eligible area under North West Europe Interreg - Ireland, North of France, Belgium, the Netherlands and some Western states in Germany.

Type and Size of Partner Sought

University, R&D Institution

Type of Partnership Considered

Research cooperation agreement

Research & Development Request

H2020-FTI Pilot-2015-1 - Seeking industrial automation partner to develop manufacturing equipment and process for transparent honeycomb insulation material

Summary

A large UK glass processor working in the construction industry is seeking an EU production equipment manufacturer (outside the UK or Germany) to join their Fast Track to Innovation Pilot project. The aim of the project is to innovate and develop a commercial production process for transparent honeycomb insulating material, utilising background IP, prototype technology and current expertise. The opportunity is to design new production equipment for supply to global markets.

Reference RDUK20150122001

Network Contact

Contact Person

Gergely CSASZAR

Email

gcsaszar@pbkik.hu

Dissemination

Restrict Dissemination to Specific Countries

Austria, Belgium, Bulgaria, CzechRepublic, Denmark, Estonia, Finland,
France, Germany, Hungary, Ireland, Italy, Luxembourg, Netherlands,
Norway, Poland, Slovakia, Slovenia, Spain, Sweden,

Client

Type and Size of Organisation Behind the Profile

Industry 250-499

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Industry
- Specific area of activity of the partner: Production Line Equipment Manufacturer
- Task to be performed by the partner sought:
 - To undertake expert assessment of prototype production processes and develop large scale manufacturing proposals for the production of a transparent honeycomb insulating material to sandwich within glass
 - To demonstrate large scale manufacturing on newly developed production equipment.
 - To assess global markets to identify potential demand for newly developed production equipment.
 - To manage the creation of new foreground IP for the consortium in relation to the large scale production processes.
 - To implement programme to test & validate new manufacturing/production processes to meet EU regulatory requirements.

Type of Partnership Considered

Research cooperation agreement