3D Tune-In
Project ID: 644051
Funded under:
H2020-EU.2.1.1.4. - Content technologies and information management: ICT for digital content, cultural and creative industries

3D-games for TUNing and IEarnINg about hearing aids

From 2015-05-01 to 2018-04-30 | 3D Tune-In Website

Project details

Total cost: EUR 3 355 151,85
EU contribution: EUR 2 896 175
Coordinated in: United Kingdom

Topic(s):
ICT-21-2014 - Advanced digital gaming/gamification technologies

Call for proposal: H2020-ICT-2014-1
See other projects for this call

Funding scheme:
IA - Innovation action

Objective

3D Tune-In brings together relevant stakeholders: the SME digital games industry (Reactify, Vianet, XTeam and Nerlaska); academic institutes (Imperial College London, De Montfort University, University of Nottingham, University of Malaga); a large European hearing aid manufacturer (GN); and hearing communities (Associations - Extra Care, Hearing Link, Action Deafness, Accesibilidad y Personas Sordas and Ente Nazionale Sordi); to produce digital games applied to hearing aids, addressing social inclusion, generating new markets and creating job opportunities. With Europe’s ageing population the demand for assistive hearing devices is likely to rapidly increase. While the technology has dramatically advanced in the last 25 years since the commercialization of the first digital hearing aid, the new functions are often unexploited or inaccessible, particularly for children and older adults. Producers of hearing aid devices find that individuals prefer to use simpler less flexible devices even though functionality offered by miniaturised digital devices can considerably improve hearing in different acoustic environments (e.g. classroom, office, restaurant, street) leading to greater confidence, improved social interaction and more significantly inclusion back into society. 3D Tune-In aims to exploit existing, overlooked or neglected hearing aid functionalities to greatly improve people’s quality of life and their interactions with other people and their surrounding environment. This will be achieved through creating the novel 3D Tune-In toolkit based on participatory design methods and advances in 3D visual, audio and haptic technologies; to enable SMEs in digital games to generate a set of non-leisure game applications employing gamification techniques for supporting hearing impairment. The technology transfer between these scientific, technological and industrial communities will enable the game industry to expand into assistive technologies and support active ageing and healthy living.

Related information

Result In Brief
Hearing aid users learn through video games

Report Summaries
Periodic Reporting for period 2 - 3D Tune-In (3D-games for TUNing and IEarnINg about hearing aids)
Coordinator

IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE
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SW7 2AZ LONDON
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See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

Participants

THE UNIVERSITY OF NOTTINGHAM
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**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

GN HEARING S.R.L.
VIA NINO BIXIO 1/B
35036 MONTEGROTTO TERME
Italy
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

REACTIFY MUSIC LLP
3 CHAPEL WAY ISLINGTON
N7 6RQ LONDON
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**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation
VIANET SRL  
VIA MONTIGLIONI 118-16S  
00046 GROTTFERRATA  
Italy  
EU contribution: EUR 229 250

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Contact the organisation

TAMASCHELLI STEFANO  
VIA ROMA 833  
45020 GIACCIANO CON BARUCHELLO ROVIGO  
Italy  
EU contribution: EUR 230 868,75

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Contact the organisation

NERLASKA SL Participation ended  
CALLE ERNESTO PEREZ ALMELA 11 BAJO  
12600 VALL D'UIXO  
Spain  
EU contribution: EUR 224 514,74

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Contact the organisation

DE MONTFORT UNIVERSITY  
THE GATEWAY  
LE1 9BH LEICESTER  
United Kingdom  
EU contribution: EUR 103 900

Activity type: Higher or Secondary Education Establishments  
Contact the organisation

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