Log in

=Menu

Find a journal Publish with us Track your research

CSearch

□ Cart

- 1. <u>Home</u> >
- 2. EMBEC & NBC 2017 >
- 3. Conference paper

Co-creating with consumers and stakeholders to understand the benefit of *Internet of Things* in *Smart Living Environments for Ageing Well*: the approach adopted in the Madrid *Deployment Site* of the *ACTIVAGE Large Scale Pilot*

- Conference paper
- First Online: 13 June 2017
- pp 1089-1092
- Cite this conference paper

EMBEC & NBC 2017 (EMBEC 2017, NBC 2017)

- <u>Juan-Bautista Montalva¹⁰</u>,
- Alejandro Medrano 10,
- Nikos Liappas¹⁰
- Angeles Mata-Díaz¹¹
- Gloria Cea¹⁰ &
- ..
- Maria Teresa Arredondo 10

✓Show authors

Part of the book series: IFMBE Proceedings ((IFMBE,volume 65))

Included in the following conference series:

- European Medical and Biological Engineering Confernce
- Nordic-Baltic Conference on Biomedical Engineering and Medical Physics
- 18 Citations

Abstract

The ACTIVAGE project is a multi-center *Large Scale Pilot* that has as main objective the demonstration that the Internet of Things (IoT) paradigm plays a fundamental role in deploying cost-effective and sustainable solutions for ageing well and independent living of European senior citizens. In this work, we present the approach that is currently adopted in one of the centers of the pilot, the Madrid *Deployment Site* (DS), to derive, from the main objective, meaningful values for end-users and stakeholders of the solutions.

This is a preview of subscription content, log in via an institution
to check access.

Access this chapter

Log in via an institution →

Institutional subscriptions -

Preview

Unable to display preview. Download preview PDF.

Unable to display preview. <u>Download preview PDF.</u>

Similar content being viewed by others

The Value of the User Evaluation Process in the European IoT Large-Scale Pilot for Smart Living

Chapter © 2021

Design of an Evaluation Tool to Assess IoT Solutions for Active and Healthy Aging

Chapter © 2020

IoT Semantic Interoperability for Active and Healthy Ageing

Chapter © 2021

References

 1. Siebert, Markus, et al. "Health technology assessment for medical devices in Europe." International journal of technology assessment in health care 18.03 (2002): 733-740.

Google Scholar

• 2. Xia, Feng, Laurence T. Yang, Lizhe Wang, and Alexey Vinel. "Internet of things." *International Journal of Communication Systems* 25, no. 9 (2012): 1101.

Google Scholar

3. Mihailidis, Alex, Jennifer Boger, Jesse Hoey, and Tizneem Jiancaro. "Zero effort technologies: Considerations, challenges, and use in health, wellness, and rehabilitation." Synthesis Lectures on Assistive, Rehabilitative, and Health-Preserving Technologies 1, no. 2 (2011): 1-94.

Google Scholar

 4. Melillo, P., Izzo, R., Orrico, A., Scala, P., Attanasio, M., Mirra, M., ... & Pecchia, L. (2015). Automatic prediction of cardiovascular and cerebrovascular events using heart rate variability analysis. *PloS one*, 10(3), e0118504.

Google Scholar

 5. Castaldo, R., Melillo, P., Bracale, U., Caserta, M., Triassi, M., & Pecchia, L. (2015). Acute mental stress assessment via short term HRV analysis in healthy adults: A systematic review with meta-analysis. *Biomedical Signal Processing and Control*, 18, 370-377.

Google Scholar

• 6. Melillo, P., Pecchia, L., Testa, F., Rossi, S., Bennett, J., & Simonelli, F. (2012). Pupillometric analysis for assessment of gene therapy in Leber Congenital Amaurosis patients. *Biomedical engineering online*, 11(1), 40.

Google Scholar

 7. Fiore, S. M. (2008). Interdisciplinarity as teamwork: How the science of team science can inform team science. Small Group Research, 39, 251–277.

Google Scholar

• 8. Pearson, A., Jordan, Z., & Munn, Z. (2012). Translational science and evidence-based healthcare: a clarification and reconceptualization of how knowledge is generated and used in healthcare. Nursing research and practice, 2012.

Google Scholar

9. The ACTIVAGE Project. http://www.activageproject.eu/ This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 732679.

Author information

Authors and Affiliations

1. Universidad Politécnica de Madrid, Madrid, Spain

2. Tercera Edad Activa S.L, Madrid, Spain

Angeles Mata-Díaz

Authors

1. Giuseppe Fico

View author publications

Search author on: PubMed Google Scholar

2. Juan-Bautista Montalva

View author publications

Search author on: PubMed Google Scholar

3. Alejandro Medrano

View author publications

Search author on: PubMed Google Scholar

4. Nikos Liappas

View author publications

Search author on: PubMed Google Scholar

5. Angeles Mata-Díaz

View author publications

Search author on: PubMed Google Scholar

6. Gloria Cea

View author publications

Search author on: PubMed Google Scholar

7. Maria Teresa Arredondo

View author publications

Search author on: PubMed Google Scholar

Corresponding author

Correspondence to Giuseppe Fico.

Editor information

Editors and Affiliations

1. Tampere University of Technology, BioMediTech Institute and Faculty of Biomedical Science and Engineering, Tampere, Finland

Hannu Eskola

2. Tampere University of Technology, BioMediTech Institute and Faculty of Biomedical Science and Engineering, Tampere, Etelä-Suomi, Finland

Outi Väisänen

3. Tampere University of Technology, BioMediTech Institute and Faculty of Biomedical Science and Engineering, Tampere, Etelä-Suomi, Finland

Jari Viik

4. Tampere University of Technology, BioMediTech Institute and Faculty of Biomedical Science and Engineering, Tampere, Etelä-Suomi, Finland

Jari Hyttinen

Rights and permissions

Reprints and permissions

Copyright information

© 2018 Springer Nature Singapore Pte Ltd.

About this paper

Cite this paper

Fico, G. *et al.* (2018). Co-creating with consumers and stakeholders to understand the benefit of *Internet of Things* in *Smart Living Environments for Ageing Well*: the approach adopted in the Madrid *Deployment Site* of the *ACTIVAGE Large Scale Pilot*. In: Eskola, H., Väisänen, O., Viik, J., Hyttinen, J. (eds) EMBEC & NBC 2017. EMBEC NBC 2017 2017. IFMBE Proceedings, vol 65. Springer, Singapore. https://doi.org/10.1007/978-981-10-5122-7_272

Download citation

- .RIS ±
- .BIB ±
- DOI: https://doi.org/10.1007/978-981-10-5122-7_272
- Published: 13 June 2017
- Publisher Name: Springer, Singapore
- Print ISBN: 978-981-10-5121-0
- Online ISBN: 978-981-10-5122-7
- eBook Packages: EngineeringEngineering (R0)

Publish with us

Access this chapter

Log in via an institution →

Institutional subscriptions -

Search

Search by keyword or author

Q Search

Navigation

- Find a journal
- Publish with us
- Track your research

Discover content

- Journals A-Z
- Books A-Z

Publish with us

- Journal finder
- Publish your research
- Language editing
- Open access publishing

Products and services

- Our products
- <u>Librarians</u>
- Societies
- · Partners and advertisers

Our brands

- Springer
- Nature Portfolio
- BMC
- Palgrave Macmillan
- Apress
- <u>Discover</u>
- Your privacy choices/Manage cookies
- Your US state privacy rights

- Accessibility statement
- Terms and conditions
- Privacy policy
- Help and support
- Legal notice
- Cancel contracts here

138.4.10.253

Universidad Politecnica De Madrid INEF Fac. Ciencias (3001758933) - Consorcio Madroño (3902464516) - Consorcio Madroño (2000345733) - UPM Biblioteca Universitaria (2000191037)

IGUTAK GIDANGQZ

© 2025 Springer Nature