PERSONAL INFORMATION

Luca Greci

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Skype lucagreci

Sex M | Date of birth 01/08/1975 | Nationality Italian

Industrial Designer

WORK EXPERIENCE

October 2002 to present

Researcher

Italian National Research Council (CNR) Institute of Intelligent Industrial Technologies and Systems for Advanced Manufacturing (STIIMA), formerly CNR ITIA.

Work within Enterprise Engineering and Virtual Applications Group (EVA), mainly on projects focused on the design, development and validation of virtual and augmented reality applications in different contexts, such as Industry 4.0, rehabilitation, maintenance and cultural heritage.

- Head of the Virtual Lab of Milan.

Business or sector Research

EDUCATION AND TRAINING

September 1996 – April 2002

Master's Degree – Industrial Design

Politecnico di Milano – Milano- Italy

- *Grade*: 92/100

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English: Level B2

Communication skills: Good relational and collaborative skills gained attending in several projects both at European and national level.

Organisational / managerial skills: Able to organize the work autonomously, defining priorities and assuming responsibility thanks to the skills acquired in managing research/industrial activities and meeting deadline in several research projects.

Job-related skills: Experience in designing 3D models.
Experience in 3d printing.
Experience in web design and UX.

Computer skills

Office: Word, Excel, PowerPoint
Adobe: Photoshop, Illustrator, Premiere
Autodesk: Autocad, 3dsMax, Inventor
Unity 3D: Android, IOS and Windows
Good command of augmented and virtual reality libraries: Vuforia, ARCore, ARKit, Oculus, SteamVR
Good knowledge of programming languages C#

PUBLICATIONS

H-index

Scopus: 6

Journal

- Viganò, G. Mottura, S. Greci, L. Sacco, M. Boër, C.R., Virtual reality as a support tool in the shoe life cycle, International Journal of Computer Integrated Manufacturing, 2004, Volume 17, 7 pages 653-660, Doi 10.1080/0951192042000273131.
- Pedroli, E. Greci, L. Colombo, D. Serino, S. Cipresso, P. Arlati, S. Mondellini, M. Boilini, L. Giussani, V. Goulene, K. Agostoni, M. Sacco, M. Stramba-Badiale, M. Riva, G. Gaggioli, A., Characteristics, usability, and users experience of a system combining cognitive and physical therapy in a virtual environment: Positive bike, Sensors (Switzerland), 2018}, volume 18, 7, doi 10.3390/s18072343
- Mrakic-Sposta, S., Di Santo, S.G. Franchini, F., Arlati, S., Zangiacomi A., and Greci, L. , Moretti, S. , Jesuthasan, N. , Marzorati, M. , Rizzo, G. , Sacco, M. , Vezzoli, A., Effects of combined physical and cognitive virtual reality-based training on cognitive impairment and oxidative stress in MCI patients: A pilot study, Frontiers in Aging Neuroscience, 2018, volume 10, doi 10.3389/fnagi.2018.00282
- Gaggioli, A. , Greci, L. , Arlati, S. , Stramba-Badiale, M. , Pedroli, E. , Colombo, D. , Serino, S. , Cipresso, P. , Riva, G., “Positive Bike” – An immersive biking experience for combined physical and cognitive training of elderly patients, Annual Review of Cybertherapy and Telemedicine, 2017, volume 15, pages 196-199.
- Arlati, S. , Colombo, V. , Spoladore, D. , Greci, L. , Pedroli, E. , Serino, S. , Cipresso, P. , Goulene, K., Stramba-Badiale, M. , Riva, G. , Gaggioli, A. , Ferrigno, G. , Sacco, M., A social virtual reality-based application for the physical and cognitive training of the elderly at home, Sensors (Switzerland), 2019, volume 19,number 2, doi 10.3390/s19020261
- Lorusso, M.L. , Giorgetti, M. , Travellini, S. , Greci, L. , Zangiacomi, A. , Mondellini, M. , Sacco, M. , Reni, G., Giok the alien: An AR-based integrated system for the empowerment of problem- solving, pragmatic, and social skills in pre-school children, Sensors (Switzerland), 2018, volume 18, number 7, doi 10.3390/s18072368.
- Pedroli, E., Cipresso , P., Greci, L., Arlati, S. S., Boilini, L., Stefanelli, L., Goulene, K,, Sacco, M. Stramba Badiale, M., Gaggioli, A., Riva, G. (2019). An Immersive Motor Protocol for Frailty Rehabilitation. Frontiers in neurology, 10.

Book

- Arlati, S. and Zangiacomi, A. and Greci, L. and Di Santo, S.G. and Franchini, F. and Sacco, M., Virtual environments for cognitive and physical training in elderly with mild cognitive impairment: A pilot study,Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2017, volume 10325 LNCS,Pages 86-106, doi 10.1007/978-3-319-60928-7_8
- Mottura, S. and Viganò, G. and Greci, L. and Sacco, M. and Carpanzano, E., New challenges in collaborative virtual factory design, IFIP International Federation for Information Processing,2008, volume 266, pages 17-24, doi 10.1007/978-0-387-09492-2_2.
- Greci, L. and Sacco, M. and Cau, N. and Buonanno, F.,FootGlove: A haptic device supporting the customer in the choice of the best fitting shoes, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2012, volume 7282 LNCS, PART 1, pages 148-159, Doi 10.1007/978-3-642-31401-8_14.
- Sacco, M. and Redaelli, C. and Zangiacomi, A. and Greci, L. and Di Santo, S. and Leone, A. and Vezzoli, A., GOJI an advanced virtual environment supporting training of physical and cognitive activities to prevent dementia occurrence in elderly with minor cognitive disorders, Biosystems and Biorobotics, 2015, volume 11, pages 429-437, doi 10.1007/978-3-319- 18374-9_40.
- Mondellini, M. and Pizzagalli, S. and Greci, L. and Sacco, M.,Assessment of an immersive virtual supermarket to train post-stroke patients: A pilot study on healthy people, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2019, volume 11613 LNCS, pages 313-329, doi 10.1007/978-3-030-25965-5_23.

- Arlati, S. and Greci, L. and Mondellini, M. and Zangiacomi, A. and Di Santo, S.G. and Franchini, F. and Marzorati, M. and Mrakic-Sposta, S. and Vezzoli, A., A virtual reality-based physical and cognitive training system aimed at preventing symptoms of dementia, Lecture Notes of the Institute for Computer Sciences, Social- Informatics and Telecommunications Engineering, LNICST, 2018, volume 247, pages 117-125, doi 10.1007/978-3-319-98551-0_14.
- Mondellini, M. and Arlati, S. and Greci, L. and Ferrigno, G. and Sacco, M., Sense of presence and cybersickness while cycling in virtual environments: Their contribution to subjective experience, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2018, volume 10850 LNCS, pages 3-20, doi 10.1007/978-3-319-95270-3_1.

Conference

- Mottura, S. and Greci, L. and Travaini, E. and Vigano, G. and Sacco, M., MagicMirror & footglove: A new system for the customized shoe try-on, The Future of Product Development - Proceedings of the 17th CIRP Design Conference, 2007,pages 441-450.
- Pizzagalli, S. and Spoladore, D. and Arlati, S. and Sacco, M. and Greci, L., HIC: An interactive and ubiquitous home controller system for the smart home, 2018 IEEE 6th International Conference on Serious Games and Applications for Health, SeGAH 2018, 2018, Pages 1-6, doi 10.1109/SeGAH.2018.8401374
- Mondellini, M. and Arlati, S. and Pizzagalli, S. and Greci, L. and Sacco, M. and Ferrigno, G., Assessment of the usability of an immersive virtual supermarket for the cognitive rehabilitation of elderly patients: A pilot study on young adults, 2018 IEEE 6th International Conference on Serious Games and Applications for Health, SeGAH 2018, 2018, pages 1-8, doi 10.1109/SeGAH.2018.8401313-
- Lorusso, M.L. and Giorgetti, M. and Travellini, S. and Greci, L. and Zangiacomi, A. and Mondellini, M. and Sacco, M. and Reni, G., Giok: An alien stimulates pragmatic and social skills in pre-school children, ACM International Conference Proceeding Series, 2016, pages 89-92, doi 10.1145/3051488.3051500

OTHER ASSIGNEMENTS

Patents

Apparatus for displaying virtual shoes on the feet of a user and the corresponding method

Inventor: Stefano Mottura, Marco Sacco and Luca Greci

Worldwide applications, 2005 IT 2006 WO2006134037A1

Awards

Virtual Laval 2012

Magic Mirror. Best AR application in the Category "Business and Services".

Contests

Cluster Fabbrica Intelligente 2018

Jury member as Virtual and Augmented Reality expert

VR4Rehab Hackaton Bruhhe 2018

Jury member as Virtual and Augmented Reality expert