

PERSONAL INFORMATION Oscar Arturo Mayora Ibarra



✉ omayora@fbk.eu

Nationality

WORK EXPERIENCE

01/01/2021- Present - Head of FBK Digital Health Lab Area

01/01/2017–31/12/2020 - Responsible of EU Research and Innovation Projects and Networking at FBK, Health and Wellbeing High Impact Initiative

- Senior Researcher at Health and Wellbeing High Impact Initiative
Fondazione Bruno Kessler, Trento (Italy)01/09/2017–Present Adjunct Professor
FH Burgenland University of Applied Sciences, (Austria)01/09/2010–Present Adjunct Professor
University of Trento, Trento (Italy)01/11/2004–31/12/2016 Ubiquitous Health Area Head
CREATE-NET, Trento (Italy)01/09/2000–31/09/2004 Associate Professor & Head of Graduate Program in Computer Science
Tecnologico de Monterrey, Cuernavaca (Mexico)01/08/1999–31/08/2000 Visiting Research Scientist
VTT Electronics, Oulu (Finland)

EDUCATION AND TRAINING

01/09/1996–31/03/1999 PhD in Biophysics and Electronics
University of Genova, Genova (Italy)01/01/1992–31/12/1994 M.Sc. in Computer Science
Tecnologico de Monterrey, Cuernavaca (Mexico)

01/09/1986–31/05/1991 Bachelor in Electronics and Telecommunications
Tecnologico de Monterrey, Monterrey (Mexico)

PROFESSIONAL ACTIVITIES

International Networks

- Member of EC Smart Specialisation Strategy S3 on Personalised Medicine
- European Innovation Partnership on Active and Healthy Ageing EIP-AHA – Scientific Responsible for Trentino Reference Site
- Member of WHO COVID-19 Italy Vulnerabilities Network (CIV-N)
- Founder of International Pervasive Health Conference

Attracted Funding and Projects

- Project Coordinator of over 5 EU Projects since 2006
- Participant in over 20 EU Projects since 2000
- Attracted Funding over 6ME in the past 10 years, 3ME in the past 3 years
- EC Commission Projects Success Rate since 2017 = 36%

Scientific Societies and Boards

- International Pervasive Health Conference (Founder, Steering Committee Member and Community Leader)
- IEEE Infocommunications Journal Member of Editorial Board
- ACM SIGCHI Senior Member
- ACM SIGCHI Mexico (Former President)
- EAI Fellow
- Mexican Society of Computer Science
- Evaluator and Reviewer in EC FP7 and H2020 Programs
- Evaluator and Reviewer for La Caixa, Spain
- Evaluator and Reviewer for Swiss National Science Foundation
- Evaluator and Reviewer for CONACYT, Mexico

Directed Post Graduate Work

- Andrei Popleteev (PhD advisor - now Research Fellow at University of Luxembourg)
- PhD thesis title: "Indoor positioning using FM radio signals"
- Aleksandar Matic (now Head of Research at Telefonica Research and Development, Alpha)
- PhD thesis title: "Sensing Social Interactions Using Non-Visual and Non-Auditory Mobile Sources"
- Alban Maxhuni (now post-doc at Technical University of Denmark)
- PhD Thesis title: "Managing the Scarcity of Monitoring Data through Machine Learning in Healthcare Domain"
- Alexandr Talitsky (visiting - now at Univ. Arizona)
- MSc Thesis title: "Data-Driven Parkinson's Disease analysis based on hand-written and sensor data"

Graduate Thesis Committee
Invitations (since

- Antonio Aguilera, ITESM, Mexico (2020)
- Allan Berrocal, University of Geneva, Switzerland (2020)
 - PhD thesis title: "Peer-ceived Momentary Assessment Empirical Examination of a peer supported sensing method to augment personal sensing in human computer interaction"
- Wendy Araceli Sanchez Gomez, CENIDET, Mexico (2019)
 - PhD thesis title: "Correlation Between Loneliness and the Activity of Older Adults Measured Through Smartphones Sensing"
- Kamini Garg, Universita' della Svizzera Italiana, Switzerland (2015)
 - PhD thesis title: "A Generalized Model and Framework for Performance Prediction of Data Dissemination"
- Jose Carlos Carrasco Jimenez, Mexico (2015)
 - PhD Thesis title: " Social Network Elicitation from Physical Clues"
- Enrique Garcia Ceja, ITESM, Mexico (2013)
 - PhD Thesis title: "Detecting stress levels in working environments through analysis of smartphone data"

Academic and Research
Awards

Awarded as SNI (Sistema Nacional de Investigadores) Member of the Mexican National Research Council - SNI level 1 (since 2003 and renewed several times)

Augmented Human 2014 Conference, Tokyo, Japan: Honorable Mention Paper Award.

Banco Nacional de México (Banamex) Award - Evolution over Internet: First Prize Award
Project Title: "Device Independent Interfaces for Banking Services"

Best Paper Award. Applied Voice I/O Society 2001 Conference., San Jose CA.,April 2001.
Paper Title: "Graphical and Speech-driven User Interface Generation from a single Source Format."

Fellowship for 18 month post-graduate stage at VTT, Finland.(2000)
Funded by ERCIM (European Research Consortium for Informatics and Mathematics)

Scholarship for 4 years doctoral degree studies. (1996 – 2000)
Funded by Mexican Government - CONACYT

Scholarship for 2 years master degree studies. (1993-1994)
Funded by Mexican Government - CONACYT

PERSONAL SKILLS

Mother tongue(s)

Spanish

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English	C2	C2	C2	C2	C2
Italian	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Excellent communication and networking skills through my 20-year participation in networking activities at International level.

Organisational / managerial skills Proven experience in organisational and managerial skills through over 20 years of experience as Research Area Leader, Organizer of International Scientific Events, Project Coordinator and Principal Investigator in European Projects (<https://www.linkedin.com/in/oscardmayora/>).

Job-related skills Good abilities in managing International, multi-disciplinary working teams

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Proficient user

PUBLICATIONS updated until January 2021

H-Index = 30

Special Issues and Editorial Committees

Oscar Mayora, Stefano Forti, Jochen Meyer, Lena Mamykina: Proceedings of the 13th EAI International Conference on Pervasive Computing Technologies for Healthcare, PervasiveHealth 2019, Trento, Italy, 20-23 May 2019. ACM 2019, ISBN 978-1-4503-6126-2

Mayora, O; Sucar, Le. "Applications of Future Internet"/ Special Issue in MONET - Mobile Networks and Applications Journal. March 2019.

Oliver N., Mayora O., Marschollek M.. "Machine Learning and Data Analytics in Pervasive Health". Special Issue of Journal of Methods of Information in Medicine, Jan. 2019

K Connelly, O Mayora, J Favela, M Jacobs, A Matic, C Nugent, S Wagner. The Future of Pervasive Health. IEEE Pervasive Computing 16 (1), 16-20, 2017

Mayora, O., P. Lukowicz, and M. Marschollek, "Evolving Pervasive Health Research into Clinical Practice", Special Issue of Journal of Methods of Information in Medicine, vol. 13;, no. 53(5), October, 2014.

Fortino, G., S. Li, X. Lin, O. Mayora, E. Natalizio, and M. R. Yuce, "Wireless Technology for Pervasive Healthcare", Special Issue in MONET - Mobile Networks and Applications Journal, vol. 19, no. 3, pp. 273-275, 2014

Mayora, O., and R. Shinkuma, "Mobility and Social Networks Confluence", Springer Mobile Networks and Applications, vol. DOI 10.1007/s11036, October, 2012. Guest Editorial

Arnrich, B., O. Mayora, and J. Bardram, "Pervasive or Ubiquitous Healthcare?", Methods of Information in Medicine, Vol.49, pp.65-66, 2010. Guest Editorial

Springer Mobile Networks and Applications (MONET) Special Issue on Pervasive Healthcare. Editor: Upkar Varshney and Oscar Mayora-Ibarra. 2007.

Eurasip Journal on Applied Signal Processing Special Issue on Signal Processing Technologies for Ambient Intelligence in Home-Care Applications. Editor: Francesco G. B. De Natale, Aggelos K. Katsaggelos, Oscar Mayora-Ibarra and Ying Wu. 2007.

N. Achilleopoulos, F. Alvarez, P. Belimpasakis, P. Daras, C. Guerrero Lopez, I. Laso Ballesteros, M. Pelt, J.C. Point, D. Alliez, M. Anastassova, F. Andritsopoulos, P.B. Brandtzæg, J. Calic, R. Compano, P.M. da Fonseca Marques Ferreira, M. Grega, G. Jans, A. Jurgelionis, M. Leszczuk, A. Leurdijk, N. Magnenat-Thalmann, O. Mayora-Ibarra, B. Mehta, J. Novak, R. Paiu, M. Pogačnik, M. Pramateftakis, P. Romaniak, P. Stockinger, and M. Wisniowski. User Centric Media: Future and Challenges in European Research. European Commission, Information Society and Media, Luxembourg: Office for Official Publications of the European Communities, 2007

IEEE Intelligent Systems Journal. Special Issue on Intelligent Technologies for Interactive Entertainment. Editor: Oscar Mayora-Ibarra and Dina Goren-Bar. 2006.

AI Moves to IA: Artificial Intelligence, Information Access and Mobile Computing Editor: Pekka Ala-Siuru, Nicholas J. Belkin, Oscar Mayora-Ibarra and Stefano Mizzaro. IJCAI-03 Workshop Notes. 2003

Arpakannus 1/2002, Newsletter of the Finnish Artificial Intelligence Society (FAIS), Special Issue on AI and Multimodal Interfaces Editor: Pekka Ala-Siuru, Guest Editor: Oscar Mayora-Ibarra. ISSN 0783-3121.

Scientific Journals.

Brena, R.F.; Aguilera, A.A.; Trejo, L.A.; Molino-Minero-Re, E.; Mayora, O. Choosing the Best Sensor Fusion Method: A Machine-Learning Approach. *Sensors*. April 2020, 20, 2350.

Maxhuni A. Hernandez P., Morales E., Sucar E., Osmani V., Mayora O. Unobtrusive Stress Assessment Using Smartphones. *IEEE Transactions on Mobile Computing*. February 2020

Bédard, A, Antó, JM, Fonseca, JA, Mayora O., et al; the MASK study group. Correlation between work impairment, scores of rhinitis severity and asthma using the MASK-air® App. *Allergy*. 2020; 00: 1– 17. <https://doi.org/10.1111/all.14204>

Aguilera, A.A.; Brena, R.F.; Mayora, O.; Molino-Minero-Re, E.; Trejo, L.A. Multi-Sensor Fusion for Activity Recognition—A Survey. *Sensors* 2019, 19, 3808.

Aguilera, A.A.; Brena, R.F.; Mayora, O.; Molino-Minero-Re, E.; Trejo, L.A. Virtual Sensors for Optimal Integration of Human Activity Data. *Sensors* 2019, 19.

O. Mayora, S. Forti, D. Conforti, P. Tessari, S. Testa; Trentino Salute 4.0 - The Creation of a Competence Center on Digital Health Integrating Policy, Healthcare Trust and Research in Trentino Territory. *International Journal of Integrated Care*. Vol.19 Issue S1, 2019

Menditto, E, Costa, E, Midão, L, Mayora O. et al. the MASK group. Adherence to treatment in allergic rhinitis using mobile technology. *The MASK Study*. *Clin Exp Allergy*. 2019; 49: 442- 460. <https://doi.org/10.1111/cea.13333>

Elias Ruiz, Venet Osmani Enrique Sucar, Oscar Mayora “Detecting Dressing Failures using Temporal-Relational Visual Grammars” *Journal of Ambient Intelligence and Humanized Computing (Springer)*, DOI: 10.1007/s12652-018-0975-0 Aug, 2019

Maria Faurholt-Jepsen, MD; Emanuele Torri; Jesus Cobo; Daryoush Yazdanyar; Diego Palao Vidal; Narcis Cardoner Alvarez; Olaf Andreatta; Oscar Mayora; Lars Vedel Kessing. Smartphone-based self-monitoring in bipolar disorder - evaluation of usability and feasibility of two systems. *International Journal of Bipolar Disorders*. 2018

Bousquet, J, I Agache, MR Aliberti, R Angles, I Annesi-Maesano, O. Mayora, et al. 2018. “Transfer of Innovation on Allergic Rhinitis and Asthma Multimorbidity in the Elderly (MACVIA-ARIA) - EIP on AHA Twinning Reference Site (GARD Research Demonstration Project).” *Allergy* 73 (1): 77–92.

Kessin L, Munkholm K, Faurholt M., Nielsen L, Ekstrom C., Winther O., Pedersen B., McIntyre R., Bardram J., Frost M., Mayora O., Knudsen G., Philips, M. Vinberg M. The Bipolar Illness Onset study - research protocol for the BIO cohort study. *BMJ Open*. 2017

Dey, A., N. Berthouze, K. Kunze, B. Arnrich, C. Ersoy, and O. Mayora, "Wearable Therapy - Detecting information from wearables and mobiles that are relevant to clinical and self-directed therapy", *Methods of Information in Medicine*, 2016

Maxhuni, A., L. Hernandez, E. Sucar, V. Osmani, E. Morales, and O. Mayora, "Stress Modelling and Prediction in Presence of Scarce Data", *Elsevier Journal of Biomedical Informatics*, 2016

Maxhuni, A., A. Munoz-Melendez, V. Osmani, H. Perez, O. Mayora, and E. Morales, "Classification of bipolar disorder episodes based on analysis of voice and motor activity of patients", *Pervasive and Mobile Computing*, vol.DOI:10.1016/j.pmcj.2016.01.008, January, 2016

Grunerbl, A., A. Muaremi, V. Osmani, G. Bahle, S. Oehler, G. Troester, O. Mayora, P. Lukowicz, and C. Haring, *Journal Article*, "Smartphone-Based Recognition of States and State Changes in Bipolar Disorder Patients", *IEEE Journal of Biomedical and Health Informatics*, vol. 19, no. 1, pp. 140-148, Jan, 2015

De Santa, S. Gabrielli., O. Mayora, and A. Maxhuni, "Strumenti Innovativi per la Misura dello Stress Correlato al Lavoro", *Medico competente Journal*, 2015, *Journal Article*

- Haring, C., R. Banzer, A. Grunerbl, S. Oehler, G. bahle, P. Lukowicz, and O. Mayora, Journal Article, "Utilizing Smartphones as an Effective Way to Support Patients with Bipolar Disorder: Results of the Monarca Study", *European Psychiatry*, vol. 30, no. 1: Elsevier, March, 2015
- Garcia-Ceja, E., V. Osmani, and O. Mayora, Journal Article, "Automatic Stress Detection in Working Environments from Smartphones' Accelerometer Data: A First Step", *IEEE Journal of Biomedical and Health Informatics*, , 2015
- Osmani, V., Agnes Gruenerbl, Gernot Bahle, Christian Haring, Paul Lukowicz, Oscar Mayora
Journal Article, "Smartphones in Mental Health: Detecting Depressive and Manic Episodes", *IEEE Pervasive Computing*, vol. 14, no. 3, pp. 10-13, July, 2015.
- Mayora-Ibarra, O., M. Frost, B. Arnrich, F. Gravenhorst, A. Grunerbl, A. Muaremi, V. Osmani, A. Puiatti, N. Reichwaldt, C. Scharnweber, et al., "Mobile Health Systems for Bipolar Disorder: The Relevance of Non-Functional Requirements in MONARCA Project", *International Journal of Handheld Computing Research*, vol. 5, no. 1-12, 2014.
- Gravenhorst, F., A. Muaremi, J. Bardram, A. Gruenerb, O. Mayora, G. Wurzer, M. Frost, V. Osmani, B. Arnrich, P. Lukowicz, et al., "Mobile Phones as Medical Devices in Mental Disorder Treatment: an overview", *Springer Personal and Ubiquitous Computing* , vol. Springer Personal and Ubiquitous Computing, 2014
- Grunerbl, A., A. Muaremi, V. Osmani, G. Bahle, S. Oehler, G. Troester, O. Mayora, C. Haring, and P. Lukowicz, "Smartphone Based Recognition of States and State Changes in Bipolar Disorder Patients", *IEEE Journal of Biomedical and Health Informatics (formerly IEEE Transactions on Information Technology in Biomedicine)*, August, 2014
- Matic, A., V. Osmani, and O. Mayora, "Automatic Sensing of Speech Activity and Correlation with Mood Changes", *Pervasive Mobile Sensing and Computing for Healthcare: Springer*, 2013.
- Matic, A., P. Mehta, J. M. Rehg, V. Osmani, and O. Mayora, "Monitoring Dressing Activity Failures through RFID and Video", *Journal of Methods of Information in Medicine*, Vol.51, pp.45-54, Jan, Jan, 2012.
- Mayora, O., "The MONARCA Project for Bipolar Disorder Treatment.", *Journal of CyberTherapy & Rehabilitation*. Vol. 1, 2011.
- Arnrich, B., O. Mayora, J. Bardram, and G. Tröster, "Pervasive Healthcare - Paving the Way for a Pervasive, User-Centered and Preventive Healthcare Model", *Journal of Methods of Information in Medicine*, Vol. 1, pp. 67-73., 2010.
- Mayora, O., D. Gabos, E. S. Furtado, and R. Cavaliere, "A framework for community-oriented interactive digital television", *Infocommunications Journal*, Volume LXIV pp. 14-23, 2009.
- J. Plomp,. O. Mayora-Ibarra, "A generic widget vocabulary for the generation of graphical and speech-driven user interfaces." *International Journal of Speech Technology*, V(5), Issue 1, pp. 39-47, Kluwer Academic Publishers, January 2002.
- F. Curatelli, O. Mayora-Ibarra. "An Holographic Memory Approach for Pollution Forecasting in a High Density Urban Environment." *Environmental Modelling and Software*. Vol. 16/7, pp. 641-647, Elsevier Journal, Nov. 2001.
- O. Mayora-Ibarra, F. Curatelli. "A Parallel Associative Memory Architecture for Phone Estimation." *Alta Frequenza Rivista di Elettronica Journal*, Vol. 11 No. 4, December 1999, Editor Bruno Ricco.
- F. Curatelli, O. Mayora-Ibarra. "General Overview of the SPEAR Speech Recognition System." *Alta Frequenza Rivista di Elettronica Journal*, Vol. 11 No. 3, pp. 60-62. September 1999. Editor Bruno Ricco. .
- O. Mayora-Ibarra, F. Curatelli. "Handwritten Digit Recognition by Means of an Holographic Associative Memory" *Expert Systems with Applications*. Pergamon Press. Vol. 15, pp. 399-403.1998.
- J.C. Ruiz Suarez, O. Mayora-Ibarra, J. Torres-Jimenez and L.G. Ruiz-Suarez. "Short-term ozone forecasting by artificial neural networks" *Advances in Engineering Software*. Vol 23. pp. 143-149, Elsevier, 1995.

Conference Proceedings

A. Talitckii, O. Mayora, A. Anikina, E. Kovalenko, V. Osmani, O. Zimniakova, M. Semenov, E. Bril, A. Somov. Data-Driven Analysis of Parkinson's Disease and its Detection at an Early Stage. In 14th EAI International Conference on Pervasive Computing Technologies for Healthcare (Pervasive-Health '20), May 18–20, 2020, Atlanta, GA, USA. ACM, New York, NY, USA

Venet Osmani, Li Li, Matteo Danieletto, Benjamin Glicksberg, Joel Dudley, Oscar Mayora "Automatic processing of Electronic Health Records (EHR) using Deep Learning" ACM proceedings of Pervasive Health 2018 conference, New York, May 2018

Osmani V., Forti S., Mayora O., Conforti D. "Enabling Prescription-based Health Apps". In Proceedings of Pervasive Health Workshop on Challenges and Opportunities in Pervasive Health Enabled Telemedicine. Barcelona, Spain, May 2017.

Osmani V., Forti S., Mayora O., Conforti D. "Challenges and Opportunities in evolving TreC Personal Health Record Platform". In Proceedings of Pervasive Health Workshop on Challenges and Opportunities in Pervasive Health Enabled Telemedicine. Barcelona, Spain, May 2017.

Torri, E., O. Mayora, J. Cobo, and D. Palao, Workshop paper, "Requirements Identification Towards a Design of Adaptive ICTs for Supporting Bipolar Disorder Treatment in Different Healthcare Contexts", Pervasive Health WATT Workshop - Workshop on Adaptive Treatments and Therapies, Istanbul, Turkey, May, 2015.

Ferdous, R., V. Osmani, and O. Mayora, Conference Paper, "Smartphone app usage as a predictor of perceived stress levels at workplace", Pervasive Health Conference, Istanbul, Turkey, May, 2015.

Ferdous, R., V. Osmani, J. Beltran-Marquez, and O. Mayora, Conference Paper, "Investigating correlation between verbal interactions and perceived stress", Proceedings of IEEE Engineering in Medicine and Biology Society (EMBS), Milan, August, 2015.

Hernandez-Leal, P., A. Maxhuni, E. L. Sucar, V. Osmani, E. F. Morales, and O. Mayora. Ibarra, Conference Paper, "Stress Modelling Using Transfer Learning in Presence of Scarce Data", International Conference on Ambient Intelligence for Health AMIHealth, Chile, Springer - ACM, November, 2015.

Garcia-Ceja, E., V. Osmani, A. Maxhuni, and O. Mayora, "Detecting Walking in Synchrony through Smartphone Accelerometer and Wi-Fi traces", Proceedings of European Conference on Ambient Intelligence (AmI 14), , November, 2014.

Sabatelli, M., V. Osmani, A. Grunerbl, P. Lukowicz, and O. Mayora, "Correlation of significant places with self-reported state of patients with bipolar disorder", IEEE Proceedings of 4th International Conference on Wireless Mobile Communication and Healthcare (Mobihealth 2014), Athens, November, 2014

Osmani, V., O. Mayora-Ibarra, T. Rasheed, and E. Salvadori, "Realising Anticipatory Networks Through Human Aware Networking", KuVS Workshop on Anticipatory Networks, Stuttgart, Germany, October, 2014

Mayora, O., and V. Osmani, "From Ubiquitous Computing to Human Aware Networking: Exploiting the Know-how of Ubicomp Research for Improving Networked-User Experience", ICCASA, Dubai, October, 2014

Matic, A., V. Osmani, and O. Mayora, "Mobile Monitoring of Formal and Informal Social Interactions at Workplace", UBIComp Workshop on Mobile Systems for Computational Social Science, Seattle, ACM, September, 2014

Grunerbl, A., V. Osmani, G. Bahle, J. C. Carrasco, S. Oehler, O. M. Ibarra, C. Haring, and P. Lukowicz, "Using smart phone mobility traces for the diagnosis of depressive and manic episodes in bipolar patients", Augmented Human 2014, 2014.

Alvarez-Lozano, J., V. Osmani, O. Mayora, M. Frost, J. Bardram, M. Faurholt-Jepsen, and L. V. Kessing, "Tell me your apps and I will tell you your mood: Correlation of apps usage with Bipolar Disorder State", 7th International Conference on Pervasive Technologies Related to Assistive Environments, Rhodes, ACM, May, 2014.

- Kida, A., R. Shinkuma, K. Yamaguchi, H. Kasai, and O. Mayora, "System Design for Estimating Social Relationships from Sensing Data", AINA Workshop on Data Management for Wireless and Pervasive Communications, Barcelona, Spain, IEEE, March, 2013.
- Tacconi, D., R. Tomasi, C. Costa, and O. Mayora, "A system for remote orthopedics rehabilitation", Riabiligame: ACM IEEE, May, 2013.
- Mayora, O., "Personal Health Systems for Bipolar Disorder Anecdotes, Challenges and Lessons Learnt from MONARCA Project", Pervasive Health Mindcare, Venice, Italy, ACM IEEE, May, 2013.
- Meyer, J., S. Boll, Y. Lee, O. Mayora, K. Siek, and C. Rocker, "Technologies for Well-Being: Opportunities and Challenges for HCI", NordiCHI ' Designing for Wellness and Behavior Change, September, 2012.
- Matic, A., V. Osmani, A. Maxhuni, and O. Mayora, "Multi-Modal Mobile Sensing of Social Interactions", Pervasive Health Conference, San Diego, USA, IEEE, May 2012.
- Popleteev, A., V. Osmani, and O. Mayora, "Investigation of indoor localization with ambient FM radio stations", Proc. of PERCOM, Lugano, March, Mar, 2012.
- Meyer, J., S. Boll, Y. S. Lee, O. Mayora, K. Siek, and C. Röcker, Wellness interventions and HCI: theory, practice, and technology, , September, 2012.
- Shinkuma, R., H. Kasai, K. Yamaguchi, and O. Mayora, "Relational Metric: A New Metric for Network Service and In-network Resource Control", Proc. of 9th Annual IEEE Consumer Communications and Networking Conference, Las Vegas, Jan, 2012.
- Matic, A., V. Osmani, and O. Mayora, "Speech Activity Detection Using Accelerometer", EMBS, San Diego, USA, IEEE , August, 2012.
- Matic, A., V. Osmani, Andrei Popleteev, and O. Mayora, "A Pilot Study of Short-Term Effects of Sedentary Behavior on Mood Changes", BIOSTEC, Algarve, Portugal, March, 2012.
- Serino, S., Andrei Popleteev, A. Gaggioli, O. Mayora, G. Riva, A. Matic, P. Cipresso, and V. Osmani, "Sedentary Work Style and Heart Rate Variability: a Short Term Analysis", MindCare, March, 2012.
- Andrei Popleteev, V. Osmani, R. Maimone, S. Gabrielli, and O. Mayora, "Mobile Stress Treatment: The Interstress Approach", Pervasive Health Conference, May, 2012.
- Puiatti, A., S. Muda, S. Giordano, and O. Mayora, "Smartphone-Centred Wearable Sensors Network for Monitoring Patients with Bipolar Disorder", 33rd Annual International IEEE EMBS Conference, Boston, Ma.201, 2011.
- Gabrielli, S., R. Maimone, and O. Mayora, "Mobile Relaxation Technology: Looking into User Preferential Choices", Proc. of Interact 2011 Workshop on Promoting and Supporting Healthy Living By Design, Lisbon, Portugal, pp. 27-30, September 6th, 2011.
- Matic, A., A. Papliatseyeu, V. Osmani, and O. Mayora, "FM Radio for Indoor Localisation with Spontaneous Recalibration", Journal of Pervasive and Mobile Computing (Elsevier), 2011.
- Popleteev, A., and O. Mayora, "Smart Buttoning: Assisting the dressing activities of Alzheimer patients", Workshop on Ambient Intelligence on Healthcare and Social Wellness (part of UCAMi 2011), Riviera Maya, Mexico, 2011.
- Matic, A., V. Osmani, and O. Mayora, "Ambient Aware Assistance (A3) for Supporting Alzheimer Patients and Caregivers", Proc. of the 5th International Symposium on Ubiquitous Computing and Ambient Intelligence (UCAmI '11), 2011.
- Maxhuni, A., A. Matic, V. Osmani, and O. Mayora, "Correlation between self-reported mood states and objectively measured social interactions at work: A Pilot Study", Pervasive Health MindCare Workshop, May, Ireland, 2011.

Gabrielli, S., O. Mayora, and A. Sabatino, "BeeParking: Feedback Interfaces for Collective Behavior Change", Proc. of CHI 2011, Vancouver, Canada, May, 2011.

Costa, C., O. Mayora, and S. Gabrielli, "I-Theatre: developing narratives skills in kindergarten children", 2nd CHI workshop on UI technologies and their impact on educational pedagogy, Vancouver, Canada, May, 2011.

Matic, A., V. Osmani, and O. Mayora, "RFID-based System for Tracking People: Approaches to Tagging Demented Patients", Proc. of Ambi-Sys 2011, Portugal, Lisbon, March, 2011.

Popleteev, A., V. Osmani, O. Mayora, and A. Matic, "Indoor localization using audio features of FM radio signals.", Proc. of the 7th International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT 2011), Karlsruhe, Germany, 2011.

Matic, A., V. Osmani, A. Popleteev, and O. Mayora, "Smart Phone Sensing to Examine Effects of Social Interactions and Sedentary Work Style on Mood Changes", Proc. of the 7th International and Interdisciplinary Conference on Modeling and Using Context, Karlsruhe, Germany, 2011.

Matic, A., V. Osmani, and O. Mayora, "FINDER: Smart Aid for Keeping Track of Everyday Objects", 2nd Italian Forum for Ambient Assisted Living (foritaal), Trento, Italy, 2010.

Matic, A., A. Papiatseyeu, V. Osmani, and O. Mayora, "Happy or Moody? Why so? Monitoring Daily Routines at Work and Inferring Their Influence on Mood", 5th UbiHealth Workshop in conjunction with UBICOMP 2010 Conference, Copenhagen, Denmark, 2010.

Gabrielli, S., O. Mayora, J. Bardram, and G. Marcu, "Co-Designing Personal HealthCare Solutions for the Treatment of Bipolar Disorder", NordiCHI 2010 Workshop on Therapeutic Strategies - a Challenge for User Involvement in Design, October 17th, 2010.

Papiatseyeu, A., V. Osmani, and O. Mayora, "FINDR: A Novel Approach for Indoor Positioning Using FM Radio Signals", International Journal of Handheld Computing Research(IJHCR), Vol.1, Issue: 3, pp.19-31, 2010.

Papiatseyeu, A., and O. Mayora, "GeoMedia - A Framework for Producing Interactive, Geo-Referenced Video Contents", Proc. of 2nd User Centric Media Conference UCMedia, Tampere, Finland, 2010.

Papiatseyeu, A., A. Matic, V. Osmani, and O. Mayora, "Indoor Positioning Using off-the-shelf FM Radio Devices", International Conference on Indoor Positioning and Indoor Navigation (IPIN), Zurich, Switzerland, 2010.

Furtado, E., O. Mayora, and C. Fuhrhop, "Assessments and Consensus on users' needs of Cross- Cultural Stakeholders: expectations on 'being part of a Digital TV project!", Proc. of EuroiTV 2010, Tampere, Finland, 2010.

Mayora, O., and V. Osmani, "An Approach for Sustainable Pervasive Wellness", ACM Conference on Human Factors in Computing Systems - Wellness Informatics workshop, Atlanta, GA, USA, 2010.

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