

## CURRICULUM VITAE

**NAME:** Gianluca De Leo, PhD, MBA

**ADDRESS:**

Interdisciplinary Health Sciences  
College of Allied Health Sciences  
Augusta University  
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**EDUCATION:**

December 2005 – Master of Business Administration  
John Cook School of Business, Saint Louis University, St. Louis, MO, USA

August 2005 – Post Doctorate, Public Health Informatics  
School of Public Health, Saint Louis University, St. Louis, MO, USA

June 2003 – PhD, Bioengineering and Bioelectronics  
School of Engineering, University of Genoa, Genoa, Italy

April 1999 – MS, Electronic Engineering  
School of Engineering, University of Genoa, Genoa, Italy

**CONTINUING EDUCATION:**

- Strategic Communications Training Program, Robert Wood Johnson Foundation, (2018)
- Leadership Development Program, Association of Schools of Allied Health Professions (2016)
- Authentic Leadership Pipeline II, Office of Leadership Development, Augusta University (2016)
- Authentic Leadership Pipeline I, Office of Leadership Development, Augusta University (2015)

**EXPERIENCE:**

July 2019 – present – Professor with tenure  
Augusta University, Augusta, GA, USA

October 2018 – June 2019 – Associate Professor with tenure  
Augusta University, Augusta, GA, USA

November 2014 – September 2018 – Department Chair  
Clinical and Digital Health Sciences  
Augusta University, Augusta, GA, USA

August 2012 – October 2014 – Associate Professor with tenure  
Old Dominion University, Norfolk, VA, USA

August 2006 – July 2012 – Assistant Professor  
Old Dominion University, Norfolk, VA, USA

September 2005 – July 2006 – Senior Researcher  
Department of Chemistry, Washington University in Saint Louis, St. Louis, MO, USA

August 2003 – August 2005 – Post Doctoral Research Associate  
School of Public Health, Saint Louis University, St. Louis, MO, USA

January 2003 – July 2003 – Researcher  
ATNP-Lab, Hospital Istituto Auxologico Italiano, Milan, Italy

November 2001 – August 2002 – Visiting Ph.D. Student – International Exchange Program in Tele-health  
School of Medicine, University of Missouri – Columbia, Columbia, MO, USA

April 1999 – August 2003 – Ph.D. Student  
School of Engineering, University of Genoa, Genoa, Italy

March 1997 – July 1997 – Visiting Scholar  
Instituto de Sistemas e Robotica, University of Lisbon, Lisbon, Portugal

**TEACHING:**

Augusta University  
Dissertation Research, CAHS 9300  
Spring 2019 – Fall 2019 – Spring 2020– Fall 2020 – Spring 2021

Augusta University  
Doctoral Seminar, CAHS 9010  
Fall 2017 – Fall 2019 – Fall 2020 – Spring 2021

Augusta University  
Investigation of a Problem, CAHS 9110  
Summer 2019 – Fall 2019 – Spring 2020 – Summer 2020 – Fall 2020 – Spring 2021

Augusta University  
Interprofessional Education and Practice I, CAHS 7120  
Fall 2015 – Fall 2016 – Fall 2017 – Fall 2018 – Fall 2019 – Fall 2020

Augusta University  
Research in Health Care, RTHP 4504  
Fall 2015 – Fall 2016 – Fall 2017 – Fall 2018 – Fall 2019 – Fall 2020

Augusta University  
Interprofessional Education and Practice II, CAHS 7125  
Spring 2016 – Spring 2017 – Spring 2018 – Spring 2019 – Spring 2020

Old Dominion University  
Decision Analysis in Health Care, HLSC 815  
Spring 2013

Old Dominion University  
Information Literacy for Health Professions, HLTH 120G  
From 2010 to 2014, every Fall and Spring semesters

Old Dominion University  
Management in the Clinical Setting, MEDT 403W\*  
From 2007 to 2014, every Fall semester  
\* MEDT 403W was a two-way satellite and video streaming live long-distance class

**INVITED TEACHING:**

Nanjing Medical University, People's Republic of China  
Public Health: Technology, Innovation and Economic Impact  
Spring 2018 – 1 week (Invited faculty)

**GRANTS AWARDED:**

Principal Investigator  
“Using Mobile Health to Optimize Communication Outcomes for South African Children with Developmental Disorders”  
Subcontract of Georgia State University, National Institute of Deafness and other Communication Disorders and The Fogarty International Center, DC-015225 and DC-03799, 2017-2019, (\$20,000)

Co-Investigator  
“Assessing Clinical, Economic, and Patient Satisfaction Outcomes of Post-Surgery Follow-Ups through TeleHealth at AMEDD Medical Centers”  
Department of Defense, MEDD Advanced Medical Technology Initiative (AAMTI) 2017-2018, (\$84,956)

Principal Investigator  
“Mesh Network of Innovation for Public Health”  
Robert Wood Johnson Foundation, 2016-2018, (\$548,660)

Principal Investigator  
“High-end and Low-End Virtual Reality Systems for the Rehabilitation of Frailty in the Elderly”  
Italian Ministry of Health 2016-2019, (Euro 21,000)

Principal Investigator  
“Improving Quality of Life of Patients and Their Families: Creating a Reminiscence Slideshow of Meaningful Events Through a Smartphone Application”  
Alzheimer’s and Related Diseases Research Award Fund 2014-2015, (\$45,000)

Principal Investigator

“An iPhone Application and an Educational Video for the Hampton Roads Emergency Preparedness Guide”

Hampton Roads Planning District Commission, (\$7,500), 2010

Principal Investigator

“An Online Community for Teachers to Support, Observe, Collect and Evaluate Assisted Communication with Children with Autistic Spectrum Disorder”

Claremont Graduate University (funded by Microsoft Research), (\$25,000), 2008

Principal Investigator

“Improving Quality of Life and Short-term Memory Loss in Patients with Alzheimer’s Dementia: Smartphone Application for Capturing Daily Life Moments”

Virginia Center for Aging, Virginia Commonwealth University, (\$9,288), 2008

Principal Investigator

“Smart Phone for Diabetes Education and Self-Management”

Saint Louis University (funded by Microsoft Research), (\$16,999), 2008

Principal Investigator

“Software to Assess Readiness and Train Medical Support Operation Teams-Phase II”, Mymic LLC (under SBIR Program – Office of the Secretary of Defense), (\$90,000), 2008

Principal Investigator

“Using Smartphones To Enable Interaction And Communication with Children with Autism”

Claremont Graduate University (funded by Microsoft Research), (\$48,824), 2007

Principal Investigator

“Emergency Management Collaborative Education & Planning Tool (Emcept)”

Mymic LLC, (\$2,000), 2007

Co-Investigator

“Virtual Reality in Gait Rehabilitation”

Office of Research – Old Dominion University, (\$75,000), 2007

Principal Investigator

“Virtual Reality for Treadmill Training: Improving Functional Ambulation in Children with Cerebral Palsy”

Office of Research – Old Dominion University, (\$21,000), 2007

Principal Investigator

“Software to Assess Readiness and Train Medical Support Operation Teams – Phase I”

Mymic LLC (under SBIR Program, Office of the Secretary of Defense), (\$25,000), 2007

## Principal Investigator

"The Neuroinformatics Science: New Techniques for Sharing Data and Knowledge Using Common Web-portal Infrastructure"

University of Genoa, Italy (\$15,000), 2003-2004

## SCIENTIFIC POSITIONS:

- Scientific Expert of ENR, The National Institution of Italy for Standardization Research and Promotion (since 2020)

## CONSULTING ACTIVITIES:

- MYMIC LLC on "Micro-Game for Proactive Preventative Medicine", 2009

## ENTREPRENEURIAL ACTIVITIES:

- Founder of TOOKTY LLC (2009)
- Co-Founder of Interyes s.r.l. (1999)

## INVENTIONS:

- Alternative and Augmentative Communication app for children and adults with communication disabilities: I Click I Talk, <http://www.iclickitalk.com>

## HONORS, AWARDS AND PRIZES:

- "Certificate of Appreciation" from the Hampton Roads Planning District Commission in recognition of the excellent creativity and innovative production, Hampton, VA, October 2010

## ACADEMIC SERVICE AT AUGUSTA UNIVERSITY:

- University level:
  - Advisor for Title IX Hearings (since 2020)
  - Senator – Augusta University Senate (since 2020)
  - Proposer – International Cooperation Agreement between Augusta University and University of Genova, Italy (2017)
  - Member:
    - ◇ Graduate Council (since 2020)
    - ◇ Mandatory Student Fee Committee (2018 – 2019)
    - ◇ University System Georgia Health Informatics Academic Advisory Committee (2016)
    - ◇ Research Technology Advisory Committee (since 2016)
    - ◇ GRU Cyber Center/Institute Advisory Working Group (2015-2017)
    - ◇ University System Georgia challenge H.I.T. HACK Committee (2015-2016)
- College level:
  - Chair – Promotion and Tenure Committee at the College of Allied Health Sciences (since 2020)

- Co-Chair – Search Committee, Associate Dean for Research and Innovation, College of Allied Health Sciences (2016)
- Co-Chair – Search Committee, Chair of the Medical Laboratory, Imaging, and Radiologic Sciences department (2015)
- Member:
  - ◇ Faculty Council at the College of Allied Health Sciences (since 2020)
  - ◇ Search Committee, CAHS Library Position (2018-2019)
- Student mentoring activities:
  - Chair – Doctoral dissertation committee for Raphael Agbali – Applied Health Sciences (since 2019)
  - Member – Doctoral dissertation committee for Ben Ansa – Applied Health Sciences (since 2017)
  - Member – Doctoral dissertation committee for Sunitha Zechariah – Applied Health Sciences (since 2016)
  - Chair – Doctoral dissertation committee for Amy Gates – Applied Health Sciences (2016-2020)
  - Advisors for Graduate Italian Exchange students:
    - ◇ Mr. Andrea Zini – Master in Psychology (2017)
    - ◇ Miss. Bianca Maienza – Bachelor in Psychology (2017)
    - ◇ Mr. Matteo Renzi – Master in Biomedical Engineering (2017)
    - ◇ Dr. Elonora Brivio – Post Doctorate in Psychology (2017)
    - ◇ Miss. Erica Causa – Master in Psychology (2016)
    - ◇ Miss. Elena Radici – Doctorate in Special Education (2015)

#### **ACADEMIC SERVICE AT OLD DOMINION UNIVERSITY:**

- University level:
  - Member:
    - ◇ Faculty Senate Executive Committee (2012-2014)
    - ◇ Data Management Plan Task Force Committee (2012-2013)
    - ◇ Faculty Senate Executive Committee (2011-2014)
    - ◇ Quality Enhancement Plan (QEP) – Writing Subcommittee (2011-2012)
    - ◇ Prepare Future Faculty Committee (2011-2013)
    - ◇ Graduate Appeals Committee (2011-2014)
    - ◇ Capstone Conference Committee (2009-2010-2011)
    - ◇ Modeling and Simulation Steering Committee (2008-2014)
    - ◇ Interdisciplinary Studies Committee (2007-2014)
    - ◇ PhD Interprofessional Studies (2014)
- College level:
  - Program Director – Modeling and Simulation Graduate Program College of Allied Health Sciences (2010-2014)
  - Chair – Promotion and Tenure Committee, Medical Laboratory & Radiation Sciences Department, (2012-2014)
  - Chair – Graduate Program Director Committee (2012-2013)
  - Member:
    - ◇ Interprofessional Education Committee (2013)
    - ◇ Diversity Task Force Committee (2012-2014)

- ◇ College Promotion and Tenure Committee (2012-2014)
  - ◇ Workload Committee (2011-2012)
  - ◇ Assessment of W-Course Committee (2011-2012)
  - ◇ Graduate Program Director Committee (2010-2012)
  - ◇ Institutional Review Board Committee (2010-2014)
  - ◇ Research Expo 2008 Steering Committee (2008)
  - ◇ Information Technology Committee (2007-2014)
- Department level:
    - Chair – Search Committee, Faculty position at the School of Medical Diagnostic & Translational Sciences (2012-2013)
    - Member:
      - ◇ Search Committee, Faculty position in the Community and Environmental Health department (2012)
      - ◇ Search Committee – Faculty position in the Dental Hygiene department (2008-2009)
      - ◇ Search Committee – Faculty position in the Center for Bioelectric (2008)
      - ◇ Search Committee – Endowed Professor position in Physical Therapy department (2007)
- Student mentoring activities:
    - Chair Doctoral dissertation committee for Marian Marconyak – Health Service Research (2011-2014)
    - Advisor for Modeling and Simulation fellowship – Margaret Lubas – PhD Student Health Service Research (2012-2014)
    - Advisor for Modeling and Simulation fellowship – Leigh Ann Diggs – PhD Student Health Service Research (2012-2014)
    - Master dissertation co-chair for Padmaja Battagiri – Engineering (2008-2009)
    - Advisors for Graduate Italian Exchange students:
      - ◇ Mr. Matteo Rovereto – Master in Biomedical Engineering (2011)
      - ◇ Miss. Ilenia Ruvolo – Master in Biomedical Engineering (2011)
      - ◇ Miss. Elena Radici – Master in Human Computer Interface (2010)
      - ◇ Miss. Cristina Margutti – Master in Psychology (2009-2010)
      - ◇ Miss. Roberta Casnaghi – Master in Psychology (2009)
      - ◇ Miss. Marta Mantovani – Master in Human Computer Interface (2008)
      - ◇ Miss. Silvia Bonelli – Master in Psychology (2008)
      - ◇ Miss. Elonora Brivio – Master in Psychology (2008)
      - ◇ Miss. Francesca Rovereto – Master in Biomedical Engineering (2006)

**PROFESSIONAL SERVICE:**

- Reviewer of the International Journal of Environmental Research and Public Health (since 2020)
- Review Editor of Frontiers in Public Health - Public Mental Health (since 2020)
- Area Editor, Health System, Human-Computer Interaction in Health Systems (since 2019)
- Grant reviewer for American Association for the Advancement of Science (2014)
- Reviewer of the Informatics for Health and Social Care Journal (since 2013)
- Technical Program Committee member of 1st International Workshop on Cloud Computing for Simulations (2012)

- Track Chair in The International Workshop on Innovative Simulation for Healthcare (2012)
- Reviewer of World Congress on Social Media, Mobile Apps, Web 2.0 (2012)
- Scientific Advisor Committee member for Media Tablets & Apps for Medicine, Health, and Home Care, Milan, Italy March (2012)
- Reviewer of the Journal of Autism and Development Disorders (since 2012)
- Reviewer of the IEEE Transaction on Education (2012)
- Reviewer of Fourth IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics BioRob 2012 (2012)
- Program Committee Member of SIMULTECH 2011, Noordwijkerhout, The Netherlands (2011)
- Program Committee Member of International Defense and Homeland Security Simulation Workshop 2011, Rome, Italy (2011)
- Member of the International Program Committee (IPC) of International Defense and Homeland Security Simulation Workshop (2011)
- Peer-Reviewer for project deliverable D4.1 “Interfaces, Intercommunication and Security Mechanism” for Project CHRONIOUS (An Open, Ubiquitous and adaptive Chronic Disease Management Platform for COPD and Renal Insufficiency) funded by European Commission (2010)
- Member of the Special Needs Subcommittee Hampton Roads Planning District Commission, Chesapeake, VA (since 2010)
- Reviewer of the Serious Games Showcase & Challenge at I/ITSEC Orlando FL (2009-2013)
- Reviewer of the International Journal of Medical Informatics (since 2009)
- ISOneWorld 2008 Conference Medical Track Chair, Las Vegas, NV (2008)
- Reviewer of the Journal of Medical Systems (since 2008)
- Reviewer of the Patient Education and Counseling Journal (since 2008)

#### **COMMUNITY SERVICE:**

- Grant reviewer for the Community Foundation for the CSRA (2020)
- Mentor and subject expert at SCORE (Service Corps of Retired Executives), Aiken, SC (since 2019)
- Member of the Cyber Command Summer Academy student admissions committee, Augusta, GA (2015)
- Guest speaker at the AT Coordinators and Specialists Teachers, Suffolk, VA (2011)
- Guest speaker at the Autism Society, Tidewater Virginia General Meeting, Norfolk, VA (2011)
- Board of Director Member – Programs for Kids, Virginia Beach, VA (2010-2014)
- Guest speaker at the AT Coordinators and Specialists Teachers, Suffolk, VA (2009)
- Member of the “Hampton Roads Consortium for Children & Youth with Special Needs”, Hampton, VA (2008-2014)
- Member of the Knight of Columbus (since 2008)
- Director of the Automated Telephone Info Center for Chlamydia Education for Old Dominion University Student Population, Norfolk, VA (2007-2014)
- Developer of a software application for collecting blood pressure measurement among Maryview Foundation Health Care Center patient population, Portsmouth, VA (2007)
- Guest speaker at the Strelitz Diabetes Institute, EVMS, Norfolk VA (2007)



**Book Chapter:**

02. Lubas M., Mitchell J., **De Leo G.** Augmentative and Alternative Communication Solutions and Autism. In: Patel V., Martin C., Preedy V., Preedy V. (Ed.) *Comprehensive Guide to Autism*: SpringerReference. Springer-Verlag Berlin Heidelberg. 2013; 1081-1096.
01. Leroy G, and **De Leo G.** Augmentative and Alternative Communication Technologies, in Maria Manuela Cruz-Cunha (Ed.), *Handbook of Research on Developments in E-health and Telemedicine: Technological and Social Perspectives*. IGI Global. 2009; 1070-1087.

**Peer-Reviewed Journal Articles:**

49. B. Ansa, S. Zechariah, Amy. Gates, S. Johnson, V. Heboyan, **G. De Leo**, Attitudes and Behavior towards Interprofessional Collaboration among Healthcare Professionals in a Large Academic Medical Center, *Healthcare*, 8(323), 2020, DOI:10.3390/healthcare8030323
48. A. Gates, T. Marin, **G. De Leo**, B. Stansfield, Review of Preterm Human-Milk Nutrient Composition, *Nutrition in Clinical Practice*, <https://doi.org/10.1002/ncp.10570>
47. E. Brivio, S. Serino, E. Negro Cousa, A. Zini, G. Riva, **G. De Leo**, Virtual reality and 360° panorama technology: a media comparison to study changes in sense of presence, anxiety, and positive emotions, *Virtual Reality*, <https://doi.org/10.1007/s10055-020-00453-7>
46. E. Brivio, E. Negro Cousa, V. Heboyan, F. Beltrame, **G. De Leo**, A synopsis of incubators in non-hub cities in the Southeast USA, *The Journal of Entrepreneurship*, 29(2) 428–444, 2020 <https://doi.org/10.1177/0971355720930574>
45. A. Sortino A., Vacante S., Andò A., Mauro M., Dagostino V., **De Leo G.**, Beltrame Quattrocchi F., The Importance of Sustainability for Innovative Solutions Aimed at Solving the Pollution of the Oceans, *Journal of Indian Ocean Rim Studies*, 2020, 3(1), 66-75
44. Moore J.B., Dilley J.R., Singletary C.R., Skelton J.A., Miller, Jr. D.P., Heboyan V., **De Leo G.**, Turner-McGrievy G., McGrievy M., Design of a Clinical Trial to Increase Self-monitoring of Physical Activity and Eating Behaviors among Adolescents: The ImPACT Feasibility Study. *JMIR Research Protocols*, 9(6), 2020, DOI:10.2196/18098
43. Radici E., Heboyan V., Mantovani F., **De Leo G.**, Attitudes and Perceived Communicative Competence: The Impact of Different AAC Means of Communication among Italian Teenagers, *International Journal of Disability, Development and Education*, DOI: 10.1080/1034912X.2020.1740185
42. Gess A., Brivio E., Heboyan V., D’Oria M., Beltrame F., Tagliasco V., **De Leo G.**, Knowledge, Use, and Perceptions of Metaphors Among Allied Health Faculty, *Journal of Allied Health*, 2020, 49(1), 45-52.
41. Zechariah, S., Ansa, B., Johnson, S., Gates, A., **De Leo, G.**, Interprofessional Education and Collaboration in Healthcare: An Exploratory Study of the Perspectives of Medical Students in the United States, *Healthcare*, 7(4), 2019, DOI:10.3390/healthcare7040117
40. Vernon M., Goggans S., **De Leo G.**, Heboyan V., Costs and Trends of Emergency Department Utilization Pre-ACA and Post-ACA: Evidence From a Rural Georgia Hospital, *Medical Care*, 57(6) June 2019, DOI: 10.1097/MLR.0000000000001114

39. Tolle, L., Vernon, M., Mccombs, G., **De Leo, G.**, Interprofessional Education: A National Survey of Attitudes, Barriers and Practices among Dental Hygiene Faculty, *Journal of Dental Hygiene*, 2019, 93(2), 13-22.
38. Hughes, J., Allen, A., McLane, T., Stewart, J., V. Heboyan, **De Leo, G.**, Interprofessional Education among Occupational Therapy Programs: overview, challenges and opportunities, *American Journal of Occupational Therapy*, January/February, 2019, 73(1).
37. Erica Negro Cousa, Eleonora Brivio, Silvia Serino, Giuseppe Riva, Vahe Heboyan, **Gianluca De Leo**, The Assessment of Episodic Memory: A Media Comparison, *Cyberpsychology, Behavior, and Social Networking*, DOI: 10.1089/cyber.2017.0720.
36. Patton, Z, Vernon, M, Haymond K, Anglin, J, Heboyan, V, **De Leo, G.** (2018). Evaluation of Interprofessional Education Implementation among Nutrition Program Directors in the USA. *Topics in Clinical Nutrition*, 33(3): 196-204.
35. Radici, E., Heboyan, V., Mantovani, F., **De Leo, G.**, Teachers' Attitudes towards Children who use AAC in Italian Primary Schools. *International Journal of Disability, Development and Education*, 66:3, 284-297, DOI: 10.1080/1034912X.2018.1495321.
34. Coughlin SS, Williams V, Moore N, Bowen D, Anglin J, Mansour N, **De Leo G.** The Augusta, Georgia Breast Cancer Survivor Study. *Journal of Cancer Treatment and Diagnosis*, 2018; 2(3): 10-15.
33. Steven S. Coughlin, Vahé Heboyan, Lufei Young, **Gianluca De Leo**, Thad Wilkins, Use of a Web Portal by Adult Patients with Pre-diabetes and Type 2 Diabetes Mellitus Seen in a Family Medicine Outpatient Clinic, *Journal of Hospital Management and Health Policy*, 2018, 2(21).
32. Steven Coughlin, Jessica Stewart, Lufei Young, Vahe Heboyan, **Gianluca De Leo**, Health Literacy and Patient Web Portals, *International Journal of Medical Informatics*, 2018, 113, 43–48.
31. Silvia Serino, Francesca Baglio, Federica Rossetto, Olivia Realdon, Pietro Cipresso, Thomas Parsons, Giacomo Cappellini, Fabrizia Mantovani, **Gianluca De Leo**, Raffaello Nemni, and Giuseppe Riva, Picture Interpretation Test (PIT) 360°: An Innovative Measure of Executive Functions, *Scientific Reports*, 2017, 16000.
30. Steven Coughlin, Laura Carbone, Vahé Heboyan, Lovoria Williams, Christos Hatzigeorgiou, Pavani Rangachari, **Gianluca De Leo**, Use of My HealthVet Patient Web Portal among Veterans Seen for Diabetes Mellitus at a Medical Center in the Southeastern United States, *mHealth*, 2017, 3(50).
29. Marlo M Vernon, Nicole M Moore, Andrew J Mazzoli, **Gianluca De Leo**, Respiratory Therapy Faculty Perspectives on Interprofessional Education: Findings from a Cross-Sectional Online Survey, *Journal of Interprofessional Care*, 2017, 2(2).
28. Tao D, Le Rouge C, Smith KJ, **De Leo G**, Defining Information Quality Into Health Websites: A Conceptual Framework of Health Website Information Quality for Educated Young Adults, *JMIR Hum Factors* 2017, 4(4).
27. Steven S. Coughlin, Gina M. Besenyi, Deborah Bowen, **Gianluca De Leo**, Development of the Physical Activity and Your Nutrition for Cancer (PYNC) Smartphone App for Preventing Breast Cancer in Women, *mHealth*, 2017, 3(5).
26. Serino Silvia, Pedrolì Elisa, Tuena Cosimo, **De Leo Gianluca**, Stramba-Badiale Marco, Goulene Karine, Mariotti Noemi G., Riva Giuseppe, A Novel Virtual Reality-Based Training Protocol for the Enhancement of the "Mental Frame Syncing" in Individuals with Alzheimer's Disease: A Development-of-Concept Trial, *Frontiers in Aging Neuroscience*, 2017, 9(240).
25. Steven S Coughlin, Christos Hatzigeorgiou, Judith Anglin, Ding Xie, Gina M. Besenyi, **Gianluca De Leo**, Jessica Stewart, Thad Wilkins, Healthy Lifestyle Intervention for Adult Clinic Patients with Type 2 Diabetes Mellitus, *Diabetes Management*, 2017, 7(2), 197–204.

24. Steven S Coughlin, Judith J Prochaska, Lovoria B Williams, Gina M Besenyi, Vahé Heboyan, Stephen Goggans, Wonsuk Yoo, **Gianluca De Leo**, Patient Web Portals, Disease Management, and Primary Prevention, *Risk Management and Health Care Policy*, 2017, 10 33–40.
23. Marlo M Vernon, Nicole M Moore, Lisa-Anne Cummins, Stephanie E Reyes, Andrew J Mazzoli, Vahe Heboyan and **Gianluca De Leo**, Respiratory Therapy Faculty Knowledge of and Attitudes Toward Interprofessional Education, *Respiratory Care*, 2017, 62(7), 873-881.
22. Padrino-Barrios C., Gayle Mccombs, Diawara N., **DeLeo G.**, The Use of Immersive Visualization for the Control of Dental Anxiety During Oral Debridement, *The Journal of Dental Hygiene*, 2015, 89(6), 372-377.
21. Diggs L.A., Sheth-Chandra M., **De Leo G.**, Epidemiology of Pediatric Prehospital basic Life Support Care in the United States, *Prehospital Emergency Care*, 2016, 20(2), 230-8.
20. Lubas M., Mitchell J., **De Leo G.**, Evidence-Based Practice for Teachers of Children With Autism: A Dynamic Approach, *Intervention in School and Clinic*, 2016, 51(3).
19. Diggs L.A., Viswakula S., **De Leo G.**, A pilot model for predicting the success of prehospital endotracheal intubation, *American Journal of Emergency Medicine*, 2015, 33(2), 202-8.
18. Diggs L. A., M. Lubas, **De Leo G.**, Use of technology and software applications for therapeutic collage making, *International Journal of Art Therapy: Formerly Inscape*, 2015, 20(1), 2-13.
17. Lubas M., Mitchell J., **De Leo G.**, User-Centered Design and Augmentative and Alternative Communication Apps for Children with Autism Spectrum Disorders, *SAGE Open*, 2014, 4(2).
16. Lubas M, **De Leo G.** Online Grief Support Groups: Facilitators' Attitudes. *Death Studies*, 2014, 38(6-10), 517-21.
15. Diggs LA, Yusuf, J.E. (Wie), **De Leo G.** An update on out-of-hospital airway management practices in the United States. *Resuscitation*, 2014, 85(7), 885-92.
14. **G. De Leo**, L. A. Diggs, E. Radici, T. W. Mastaglio. Measuring Sense of Presence and User Characteristics to Predict Effective Training in an Online Simulated Virtual Environment. *Simulation in Health Care: The Journal of the Society for Simulation in Healthcare*. 2013; 9(1): 1-6.
13. **De Leo G**, Lubas M, Mitchell JR. Lack of Communication even when Using Alternative and Augmentative Communication Devices: are we Forgetting about the Three Components of Language. *Autism Open Access*. 2012; 2(2).
12. **G. De Leo**, S. Bonacina, E. Brivio, T. Cuper. Assessment Needs Analysis for Using Microgames with Young Military Personnel for Proactive Preventive Medicine Education. *Games for Health Journal*. 2012; 1(2):134-138.
11. **G. De Leo**, K. S. Goodman, E. Radici, S. R. Sechrist, Thomas W. Mastaglio, Level of Presence in Team-building Activities: Gaming Component in Virtual Environments, *The International Journal of Multimedia & Its Applications*. 2011; 3(2): 1-10.
10. **De Leo G**, Brivio E, Sautter SW. Supporting autobiographical memory in patients with Alzheimer's disease using smart phones. *Applied Neuropsychology*. 2011; 18(1): 69-76.
09. Gorini A, Capideville C, **De Leo G**, Mantovani F, Riva G. The Role of Immersion and Narrative in Mediated Presence: The Virtual Hospital Experience. *Cyberpsychology, Behavior, and Social Networking*. 2011; 4(3): 99-105.
08. Le Rouge C, **De Leo G**. Information Systems and Healthcare XXXV: Health Informatics Forums for Health Information Systems Scholars. *Communications of the Association for Information Systems*. 2010; 27(7): 99-112.
07. **De Leo G**, Gonzales C, Battagiri P, Leroy G. A Smart-Phone Application and a Companion Website for the Improvement of the Communication Skills of Children with Autism: Clinical Rationale, Technical Development and Preliminary Results, *Journal Medical System*. 2009, DOI: 10.1007/s10916-009-9407-1. Published: (2011) 35:703-711.

06. Kott K, Leshner K, **De Leo G**. Combining a Virtual Reality System with Treadmill Training for Children with Cerebral Palsy. *Journal of CyberTherapy & Rehabilitation*. 2009; 2(1): 35-42.
05. Boren SA, **De Leo G**, Chanetsa FF, Donaldson JF, Krishna S, Balas EA. Evaluation of a Diabetes Education Call Center Intervention. *Telemedicine Journal and E-Health*. 2006; 12(4):457-465.
04. Molinari E, Fato M, **De Leo G**, Riccardo D, Beltrame F. Simulation of the Biomechanical Behavior of the Skin in Virtual Surgical Applications by Finite Elements Method. *IEEE Trans Biomed Eng*. 2005; 52(9): 1514-1521.
03. **De Leo G**, Krishna S, Boren S, Fato M, Porro I, Balas E A. Web and Computer Telephone-Based Diabetes Education: Lessons Learnt from the Development and Use of a Call Center. *J Med Syst*. 2005; 29(4): 343-355.
02. **De Leo G**, Ponder M, Molet T, Fato M, Thalmann D, Thalmann N, Bermano F, Beltrame F. A Virtual Reality System for the Training of Volunteers Involved in Health Emergency Situations. *CyberPsychology & Behaviour*. 2003; 6(3): 267-274.
01. Martin I, Mastrogiacomo M, **De Leo G**, Muraglia A, Cancedda R, Quarto R. Fluorescence Microscopy Imaging of Bone for Automated Histomorphometry. *Tissue Engineering*. 2002; 8(5): 847-852.

### Peer Reviewed Proceedings:

32. L. Ramiscal, C. Truelove, R. Chong, **G. De Leo**, Factor Analysis of the Attitudes Towards Interprofessional Education Survey, Nexus Summit 2020: better care, better value, better education, Aug 6-13, 2020, Virtual Event.
31. E. Pedroli, S. Serino, P. Cipresso, **G. De Leo**, K. Goulene, S. Morelli, G. D'Avenio, M. Stramba-Badiale, M. Grigioni, A. Gaggioli, G. Riva, An Immersive Cognitive Rehabilitation Program: A Case Study, 4th International Conference on NeuroRehabilitation (ICNR2018), Oct 16-20, 2018, Pisa, Italy.
30. E. Radici, S. Bonacina, **G. De Leo**, Design and Development of an AAC App Based on a Speech-To-Symbol Technology, 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'16), Aug 16-20, 2016, Orlando, FL. Pages: 2574:2577.
29. E. Radici, S. Bonacina, **G. De Leo**, An Augmentative and Alternative Communication User Centered Designed App for Communication Partners who Work with Children with Complex Communication Needs, In: 2016 IEEE International Conference on Biomedical and Health Informatics (IEEE BHI 2016), Feb 24-27, 2016, Las Vegas, NV.
28. M. Lubas, **G. De Leo**, Grief Support Groups in Second Life. In B.K. Wiederhold and G. Riva (Eds.) IOS Press, 2014. Annual Review of Cybertherapy and Telemedicine 2014, 2014 Pages: 118:122.
27. C. LeRouge, A. Tuma, D. Tao, J. Smith, **G. De Leo**. Evoking Consumer Confidence in Health Web Site Design. Proceedings of the 2012 AMIA Annual Symposium, Nov 3-7, 2012, Chicago, IL. Page 1833.
26. M. Ma, C. LeRouge, **G. De Leo**, N. Wickramasinghe, S. Capmbell, J. Flaherty. Patient Centered Design: A Field Quasi-Experiment for CADA. Proceedings of the 2012 AMIA Annual Symposium, Nov 3-7, 2012, Chicago, IL. Page 1847.
25. D. Tao, C. LeRouge, G. Deckard, **G. De Leo**. Consumer Perspectives on Quality Attributes in Evaluating Health Websites, in the HICSS – 45 Proceedings of the Forty-Fifth Annual Hawaii International Conference on System Sciences, January 4-7, 2012, Manoa, HI, Pages 2675:2684.
24. **G. De Leo**, S. Sechrist, E. Radici, T. W. Mastaglio, Games for Team Training, Interservice/ Industry Training, Simulation and Education Conference (I/ITSEC), November 28 - December 1, 2010, Orlando, FL, Pages 2327-2336.
23. Pinciroli, F., **De Leo, G.**, Bonacina, S., Garzon, B., Giacomini, M., Ruggiero, C. Outlines from EU - US experiences in Personalized Health Informatics, 6th International Workshop on Wearable Micro and

- Nano Technologies for Personalized Health (pHealth), June 24-26, 2009, Oslo, Norway, Pages 83 – 86.
22. **G. De Leo**, C. Gonzales, P. Battagiri and G. Leroy, A Touch-Screen Smart-phone Application and An Online Community for the Improvement of the Communication of Children with Severe Autism and for the Support of Their Teachers and Therapists, 8th Annual International Meeting for Autism Research (IMFAR), May 7-9, 2009, Chicago, Illinois, USA.
  21. **G. De Leo**, A. Thomas, T. W. Mastaglio, A Game-based Approach for Training and Assessing Medical Response Teams, Proceedings of 8th Annual ISOneWorld Conference, April 15-17, 2009, LasVegas, NV. Pages 34-02:34-11.
  20. C. Gonzales, G. Leroy, and **G. De Leo**, Requirements Engineering using Appreciative Inquiry for an Online Community of Caregivers of Children with Autism, SAC 2009, 24th Annual ACM Symposium on Applied Computing, March 8-12, 2009, Honolulu, Hawaii, Pages 142-146.
  19. **De Leo G**, Leroy G. An Online Community for Teachers of Children with Autism to Support, Observe, and Evaluate Communication Enabled with Smartphones, in AMIA 2008 Symposium Proceedings, Nov 8-12, 2008, Washington DC. Page 924.
  18. LeRouge C, Ma J, **De Leo G**. End-User Perspectives on E-Commerce and Health Care Web Site Quality, in AMIA 2008 Symposium Proceedings, Nov 8-12, 2008, Washington DC. Page 925.
  17. LeRouge C, Ma J, **De Leo G**, Flaherty J. Patient-Centered Design: Conceptually Modeling the Health Care Consumer, in AMIA 2008 Symposium Proceedings, Nov 8-12, 2008, Washington DC. Page 1035.
  16. Kott K, **De Leo G**, Leshner K, Brivio E, Morrison S. Virtual Reality Gaming for Treadmill Training: Improving Functional Ambulation in Children with Cerebral Palsy, Cybertherapy 2008, June 23-25, 2008, San Diego, California. Pages-105-110.
  15. **De Leo G**, Leroy G. Smartphones to Facilitate Communication and Improve Social Skills of Children with Severe Autism Spectrum Disorder: Special Education Teachers as Proxies. in Proceedings of workshop on Designing for Children with Special Needs in 7th Conference on Interaction Design for Children, June 11-13, 2008, Chicago, IL Pages-45-48.
  14. **De Leo G**, Brivio E. E-Health Solutions for Increasing Awareness and Knowledge about Chlamydia among College Students, in Proceedings of the 7th Annual ISOnEworld Conference, June 2-4 2008, Las Vegas, NV. Pages 38-1:38-12.
  13. Leroy G, **De Leo G**. Mobile Communication and Data Gathering Software for Autistic Children and Their Caregivers, Positive Design, Monterrey, April 7, 2008, Monterrey, Mexico.
  12. **De Leo G**, Parson H, Vinik E, Vinik A. Behavioral Change and Medical Education: Design and Use of an Active and Automated Telephone Call Center for Patients with Type 2 Diabetes, in Proceedings of the 6th Annual ISOnEworld Conference, April 11-13, 2007, Las Vegas, NV. Pages 14-1:14-9.
  11. **De Leo G**, Wooley K. E-Collaboration Tools for Government Funded Projects: NHLBI-PEN Approach and Solution. 2007 IRMA International Conference, May 19-23, 2007, Vancouver, British Columbia, Canada. Pages 714-718.
  10. LeRouge C, **De Leo G**, Levary R. E-Commerce and Health Care Web Site Quality: Comparing and Contrasting End-User Perspectives, 2007 IRMA International Conference, May 19-23, 2007, Vancouver, British Columbia, Canada. Pages 1348-1350.
  09. **De Leo G**, LeRouge C, Ceriani C, Niederman F. Websites Most Frequently Used by Physicians for Gathering Medical Information. In: Bates D. (ed) *Biomedical and Health Informatics: From Foundations to Applications to Policy*, Proceedings of the AMIA Annual Symposium, Nov 11-15, 2006, Washington, DC. Page 902.
  08. **De Leo G**, Pakpahan R, Golla B, Krishna S, Boren S. Cost Effectiveness of Diabetes Education via Automated Telephone System. In: Hersh W. (ed) *Informatics Across the Spectrum from Clinical Care to Biomedical Research*. Proceedings of the AMIA Spring Symposium, May 16-18, 2006, Phoenix,

Arizona. Page 28.

07. Boren S, **De Leo G**, Krishna S. Acceptance of Diabetes Education via the Telephone. In: Friedman C. (ed) *Biomedical and Health Informatics: From Foundations to Applications to Policy*. Proceedings of the AMIA Annual Symposium, Oct 22-26, 2005, Washington, DC. Page 900.
06. **De Leo G**, Krishna S, Schenone A, Fato M, Beltrame F, Balas E A. Evaluation of WEB-CD and Virtual Reality Tools for the Training of Volunteers Involved in Health Emergency Situations. In: *Medinfo 2004*, Proceedings of the 11<sup>th</sup> World Congress in Medical Informatics, Sep 7-11, 2004, San Francisco, California. Page 1568.
05. Krishna S, **De Leo G**, Balas EA. Evidence-Based Automated Preventive Care Scheduling. In: Kohane I (ed) *Biomedical Informatics: One Discipline*. Proceedings of the AMIA Annual Symposium, Nov 9-13, 2002, San Antonio, Texas. Page 1068.
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03. Diaspro A, Fronte P, Fato M, **De Leo G**, Beltrame F, Chirico G, Ramoino P. Functional Imaging of Living Paramecium by Means of Confocal and Two-Photon Excitation Fluorescence Microscopy. In: D. Farkas (ed.) *Functional imaging*, Proceedings of SPIE Vol. 4622, Optical Diagnostic of Living Cells. 5, Jan 20-22, 2002, San Jose, California. Pages 47-53.
02. Beltrame F, **De Leo G**, Fato M, Masulli F, Schenone A. A Three-Dimensional Visualization and Navigation Tool for Diagnostic and Surgical Planning Application. In: Seong Ki Mun (ed) *Visualization, Display, and Image-Guided Procedures*, Proc. of SPIE Vol. 4319, Medical Imaging, Feb 13-23, 2001, San Diego, California. Pages 507-514.
01. Vosilla L, **De Leo G**, Fato M, Schenone A, Beltrame F. An Interactive Tool for the Segmentation of Multimodal Medical Images. Proceeding IEEE, 3<sup>rd</sup> IEEE EMBS International Conference on Information Technology Application in Biomedicine, ITAB-ITIS, Nov 9-10, 2000, Arlington, Virginia. Pages 203-209.

#### Abstracts:

47. E. Negro Cousa, E. Brivio, S. Serino, V. Heboyan, G. Riva, **G. De Leo**, Cyberpsychology, Behavior, and Social Networking, 2019, 76-81.
46. Vahé Heboyan, Byron Faler, Joel Brockmeyer, Joseph Wood, **Gianluca De Leo**, "Patient Experience and Perception of Using TeleHealth for Post-Surgery Wound-Healing Follow-Ups at the AMEDD Medical Centers: Results from a Proof-of-Concept Study, Military Health Systems Research Symposium (MHSRS), August 19-22, 2019, Kissimmee, FL.
45. Juan Bornman, Vuledzani Madima, MaryAnn Romski, Rose A. Sevcik, **Gianluca De Leo**, Caregiver Training Focused on Beginning Communication Skills Via Mainstream Mobile Technology: Stakeholder Perspectives, International Convention of Psychological Science (ICPS), March 7-9, 2019, Paris, France.
44. Elena Radici, **Gianluca De Leo**, A Speech-to-Symbol APP for AAC Users, International Convention of Psychological Science (ICPS), March 7-9, 2019, Paris, France.
43. MaryAnn Romski, Rose A. Sevcik, Juan Bornman, **Gianluca De Leo**, Using Mobile Health Technology with Families of Children with Neuro-Developmental Disorders, International Convention of Psychological Science (ICPS), March 7-9, 2019, Paris, France.

42. Eleonora Brivio, Vahe Heboyan, **Gianluca De Leo**, Business Start-Up Interest and Perception towards Public Health Innovation: Lessons Learned from Southeastern Start-up Communities, American Public Health Association Annual Meeting & Expo, November 10-14, 2018, San Diego, CA.
41. M. Ronski, J. Bornman, R. Sevcik, M. King, R. Morwane, V. Morris, **G. De Leo**. Teaching Primary Caregivers in South Africa Beginning Communication Strategies: Developing & Assessing Mobile Health Technology, ASHA Convention, November 15-17, 2018, Boston, MA.
40. Coughlin SS, Heboyan V, **De Leo G**, Wilkins T. Use of a Web Portal by Adult Patients with Pre-diabetes and Type 2 Diabetes Mellitus Seen in Family Medicine Outpatient Clinics. Poster presentation, 3rd Annual Health System Symposium. A New Frontier of Innovation: Redefining Challenges and Creating Opportunities, June 5, 2018, Atlanta, GA.
39. Hughes, J., Allen, A., McLane, T., Stewart, J., **De Leo, G.**, Interprofessional Education Among Occupational Therapy Programs: Overview, Challenges and Opportunities, American Occupational Therapy Association Annual Conference, April 19-22, 2018, Salt Lake City, UT.
38. Erica Negro Cousa, Eleonora Brivio, Bianca Maienza, Vahé Heboyan, **Gianluca De Leo**, The Assessment of Episodic Memory in Elderly People: A Media Comparison, Proceedings of the 7th International Conference on Pervasive Computing Paradigms for Mental Health, MindCare, January 9-10, 2018, Boston, MA.
37. Saket Patel, Vahé Heboyan, Phillip Coule, **Gianluca De Leo**, Perceptions and Willingness to Use TeleHealth for Non-life-threatening ER visits: Evidence from Augusta University Medical Center, American Public Health Association Annual Meeting & Expo, November 4-8, 2017, Atlanta, GA.
36. Stephanie Trail, Vahé Heboyan, Phillip Coule, **Gianluca De Leo**. Economic Feasibility of TeleHealth as an Alternative to ER Visits: Willingness-to-Pay for TeleHealth Consultation for Non-life-threatening Visits. American Public Health Association Annual Meeting & Expo, November 4-8, 2017, Atlanta, GA.
35. Marlo Vernon, Vahé Heboyan, Stephen Goggans, **Gianluca De Leo**, Costs and Trends of Emergency Department Utilization Pre- and Post-ACA: Evidence from a Rural Georgia Hospital, American Public Health Association Annual Meeting & Expo, November 4-8, 2017, Atlanta, GA (winning of student award).
34. Vahé Heboyan **and Gianluca De Leo**. "Assessing Clinical, Economic, and Patient Satisfaction Outcomes of Post-Surgery Wound-Healing Follow-Ups through TeleHealth at AMEDD Medical Centers." Military Health Systems Research Symposium (MHSRS), August 27-30, 2017, Orlando, FL.
33. Hughes, J., Allen, A., McLane, T., Stewart, J., **De Leo, G.**, Knowledge and Attitudes among Occupational Therapy Faculty towards Interprofessional Education, Collaborating Across Borders VI (CAB VI), October 1 - 4, 2017, Banff, Alberta, Canada.
32. Vahé Heboyan, Saket Patel, **Gianluca De Leo**, TeleHealth Economics: Making a Case for TeleHealth for Non-life Threatening ER Visits, Georgia Partnership for Telehealth Annual Conference, March 22-24, 2017, Jekyll Island, GA.
31. Vernon, Mario M.; Moore, Nicole M.; Cummins, Lisa-Anne; Reyes, Stephanie E.; Mazzoli, Andrew J.; **De Leo, Gianluca**, Qualitative Assessment of The Attitudes, Beliefs, and Intentions of Respiratory Therapy Faculty Towards Interprofessional Education, Respiratory Care . October 2016, Vol. 61 Issue 10, pOF48-OF48. 1/4p.
30. Radici E., Mitchell J., **De Leo G**, A Speech-To-Image App for Communication Partners to Foster Modeling and to Support Receptive Communication, International Society for Augmentative and Alternative Communication (ISAAC), 2016, Toronto, Canada, Aug 6 – 13, 2016.
29. Shelley C. Mishoe, Richardean Benjamin, Rebecca Poston Jim Blando, Jonna Bobzien, Denise Clairborne, **Gianluca De Leo**, Gail Grisetti, Karen, Kott, Mohammad Najand. A College of Health Sciences Strategy to Advance IPE/IPP in Health Sciences, Public Health and Nursing. ASAHP 2014 Annual Conference. October 22-24, 2014, Las Vegas, Nevada.

28. Padrino-Barrios C, McCombs G, Diawara N, **De Leo G**. Use of Immersive Visualization for the Control of Dental Anxiety During Oral Prophylaxis. American Dental Hygienists' Association (ADHA) Annual Session, June 19, 2014, Las Vegas, Nevada.
27. Diggs LA, Viswakula D., **De Leo G**. A Multivariate Model to Predict Endotracheal Intubation Success by Paramedics in the Out-of-Hospital Setting. Capstone Conference 2014, April 17, 2014, Suffolk, Virginia. (Best presentation in the Medical Track).
26. Barrios-Padrino C, McCombs G., Diawara N., **De Leo G**. The Use of Interactive Immersive Visualization for the Control of Dental Anxiety During Dental Hygiene Treatment. Capstone Conference 2013, April 11, 2013 Suffolk, Virginia (Best presentation in the Gaming & Virtual Reality Track).
25. Goodman K.S., Gaff H., Giles E.F., **De Leo G.**, The Application of Interactive Behavior Change Technologies to Enhance Patient Education Among Adults Diagnosed with Diabetes. Extended Abstract. Capstone Conference 2012. April 19, 2012 Suffolk, Virginia.
24. E. Radici, **G. De Leo**, I Click → I Talk: AAC Solution for Children and Adults with Communication Disabilities, Media Tablets & Apps for Medicine, Health, and Home-Care, March 1-2, 2012, Milan, Italy.
23. K. S. Goodman, H. Gaff, E. F. Giles, **G. De Leo**, The Application of Interactive Behavior Change Technologies to Enhance Patient Education Among Adults Diagnosed with Diabetes. Virginia Council of Graduate Schools, Seventh Annual Graduate Student Research Forum, University of Virginia, February 16, 2012, Charlottesville, Virginia.
22. K. S. Goodman, E. Radici, **G. De Leo**, Virtual Training Environments: An Interactive Learning Tool for Public Health, Modeling for Public Health Action: From Epidemiology to Operations Conference, Centers for Disease Control and Prevention, December 9-10, 2010, Atlanta, Georgia.
21. LeRouge C, Ma J, **De Leo G**, Flaherty J. Patient Centered Design: Conceptually Modeling the Health Care Consumer - Part II. AMIA 2009 Symposium Proceedings, Nov. 14-18, 2009, San Francisco, California
20. G. Leroy and **G. De Leo**. The PixTalk Communication System: a Smart-phone Application and a Companion Website for the Improvement of the Communication Skills of Children with Autism. mHealth Summit. Oct. 29, 2009, Washington DC.
19. Ma J., LeRouge C, Flaherty J, **De Leo G**, Liu M. Use Smart Phones to Help Chinese Elderly Self Manage Diabetes. The 17th Congress of the International Ergonomics Association (IEA). Aug. 9-14, 2009, Beijing, China.
18. T. Cuper, P. Jones, J. Wilkinson, C. D. Combs, **G. De Leo**, D. Matso, R.J. Alpino. Mobile micro-games for effective health awareness. 2009 Interactive Technologies Conference. Aug. 19-21, 2009, Arlington, Virginia.
17. C. LeRouge, M. Jiao Ma, M. Gaynor, and **G. De Leo**, User-Centered Design In Telemedicine: Prototyping a Smart Phone Application for Chinese Elderly Diabetics, Abstracts from The American Telemedicine Association Fourteenth Annual International Meeting and Exposition, Telemedicine and E-Health, Vol. 15, Supplement 1, 2009. Pages S-102:S-103, April 26–28, 2009, Las Vegas, Nevada.
16. **G. De Leo**, E. Brivio, P. Battagiri, Improving Short-term Memory Loss in Patients with Alzheimer's Dementia, Abstracts from The American Telemedicine Association Fourteenth Annual International Meeting and Exposition, Telemedicine and E-Health, Vol. 15, Supplement 1, 2009. Pag. S-111, April 26–28, 2009, Las Vegas, Nevada.
15. Walker M., Maihafer G. , Crouch J., Tierney N., Ringleb S., Van Lunen B., Zirges S., **De Leo G.**, Shelton J., Garcia H.. Virtual Reality in Stroke Rehabilitation. Virginia Physical Therapy Association Annual Meeting, Oct. 19-21, 2007, Roanoke, Virginia. (Poster received the John L Echternach Sr. Award for Best Research presented at the annual conference).



14. G. Leroy, **G. De. Leo**, and J. Fryer. An Online Community for Teachers to Support, Observe, Collect and Evaluate Assisted Communication with Children with Autistic Spectrum Disorders who use Smartphones as Communication Devices in *Workshop on Intelligent Systems for Assisted Cognition*, Oct. 12-13, 2007, Rochester, New York.
13. LeRouge C., **De Leo G.**, Busia O., Parson H., Anson-Dwamena R., Vinik E., Vinik A., Dwamena F., Guah M., Kwesi Arhin N. Using smart phones as multimedia device for increasing diabetes education and health interventions among population and practitioners in Ghana. PHI 2007: Creating a Global Partnership in Public Health Informatics, pag 15-16, Sept. 17-18, 2007, Seattle, Washington.
12. **De Leo G**, LeRouge C., M. Fato. Grid Technology for Global Public Health Monitoring. PHI 2007: Creating a Global Partnership in Public Health Informatics, Page 15, Sept. 17-18, 2007, Seattle, Washington.
11. Tierney N. Crouch J., Garcia H., Walker M., Van Lunen B., **De Leo G.**, Maihafer G., Ringleb S. Virtual Reality in Gait Rehabilitation. MODSIM World Conference 2007, September 11-13, 2007, Virginia Beach, Virginia.
10. Rosengrant S., Kott K., **De Leo G.**, Williamson B., Gordon S., Edwards R. Virtual Reality for Treadmill Training: Improving Functional Ambulation in Children with Cerebral Palsy. 2007 Capstone Conference, Apr. 19, 2007, Norfolk, Virginia.
09. **De Leo G.**, Fields B., Schwarz M., Rovereto F., Duncan C., Foss J. Automated Info Center: an Innovative Approach for Increasing Awareness, Knowledge about Chlamydia among College Students. The Forty-Fifth Navy Occupational Health And Preventive Medicine Conference, Mar. 18-23, 2007, Hampton, Virginia.
08. Homan S, Krishna S, LeRouge C, Niederman F, Pakpahan R, **De Leo G**. IAIMS: Bringing Public Health Knowledge to Life, IAIMS Consortium Meeting, Apr. 9-10, 2005, Boston, Massachusetts.
07. Krishna S, **De Leo G**. Diabetes Education by Phone to Hispanic Populations using an Automated Call Center. Cambio de Colores 2005, Mar. 30-31, 2005, Columbia, Missouri.
06. **De Leo G**. GIS and Public Health: Joint Research Efforts for Medical Claims Visualization. 9<sup>th</sup> Annual Missouri GIS Conference, Feb. 21-23, 2005, Osage Beach, Missouri.
05. Balas A, Vieweg B, Krishna S, Pakpahan R, **De Leo G**. IAIMS for Public Health: Needs, Aims, Methods and Technologies, IAIMS Consortium Meeting, Apr. 26-27, 2004, Vienna, Virginia.
04. **De Leo G**. Development of an Automated Diabetes Education Call Center. Smart Medical Technology, Apr. 7-8, 2004, Houston, Texas.
03. Mantovani F, Mauri M, **De Leo G**, Mantovani M, Castelnuovo G, Gaggioli A, Riva G. Narrative Dimension, Sense of Presence and Emotional Involvement: An Experimental Analysis. Cybertherapy, Jan. 9-11, 2004, San Diego, California.
02. **De Leo G**, Nieddu E, Fazio M, Diaspro A, Robello M, Rapallino M, Cupello A, Beltrame F. Localisation of GABA<sub>A</sub> Receptors at Single Cell Level Using Confocal Microscopy and Image Analysis. *Eur J Histochem*, 1999; 43:57.
01. **De Leo G**, Boesmi M, Diaspro A, Fato M, Beltrame F, Nicolò G. 3D Analysis of Breast Tissues at Cellular Level Using CLSM. *Eur J Histochem*, 1999; 43: 56.

#### Invited Presentations:

11. "Interprofessional Sciences Approach to Health", Blue Sea Land, Mazzara del Vallo, Italy, October 17-20, 2019.
10. "A different approach to the primary educational system: the USA model", Autism: towards a better future, CORSO ECM, Genoa, Italy, May 24-25, 2017.

09. "AAC technology and Language Theory: together to improve the communication skills of children with autism", Guest Speaker Series, Department of Neuropsychiatric, Gaslini Hospital, Genoa, Italy, December 18, 2012.
08. "Improving Quality of Life and Short-Term Memory Loss in Patients with Alzheimer's Dementia: Smartphone Application for Capturing Daily Life Moments", AlzPossible Virginia Alzheimer's Commission's Alzpossible Initiative, online webinar, November 10, 2011.
07. "Advances in Technology: State of the Art and Coming Attractions", Insight into Autism, Virginia Beach, VA, February 11, 2011.
06. "Technology and Communication", Children s Hospital Bambino Gesù, May. 6, 2010, Rome, Italy.
05. "Technology Solutions for Children with Autism and Cerebral Palsy," TechKnowledge, November 19-20, 2009, Richmond, Virginia.
04. "Using Technology for improving the communication skills of children with severe autism", Virginia Competes: Envisioning the future of STEM in K-12 Environment -STEM Learning for ALL Students, January 29-30, 2009, Longwood University, Farmville, Virginia.
03. "Modeling and Simulation – An Introduction for Health and Medical Professionals", Workshop at MODSIM WORLD CONFERENCE 2008, Sep 15, 2008, Virginia Beach, Virginia.
02. "Technology and Care", Innovations in the Use of New Technologies in Research and Clinical Care for Children, Adolescents and Young Adults with Chronic Illness and Special Health Care Needs, Oct 1-2, 2004, Case Western Reserve University, Cleveland, Ohio.
01. "Healthcare Telematics for Emergency: A Lesson Learnt in Ten Years of Activity", Speaker Series at the Center for Emergency Medical Informatics, Sep 22, 2003, Yonsei University College of Medicine, Seoul, South Korea.

#### Articles in Italian:

45. Beltrame F, **De Leo G**, Fato M. Ricostruzione 3D interattiva di immagini morfologiche e funzionali. In: Le tecniche microscopiche nello studio delle caratteristiche strutturali e funzionale delle cellule in coltura, Istituto Superiore di Sanita, 23-27 Oct. 2000, Rome, 59-66.
01. Beltrame F, Maryni P, Fato M, **De Leo G**, Orsi G. World wide emergency telemedicine service (WETS): a new system to manage healthcare emergency situations, CIRM research, 2000.