

George Demiris, PhD

Curriculum Vitae

Address: University of Washington
Box 357266
Seattle, WA 98195-7266

Email: gdemiris@u.washington.edu

Phone: 1-206-221-3866

Nationality: Greek

Education

- *University of Minnesota*, Minneapolis-St.Paul, USA (December 2000)
Doctor of Philosophy in Health Informatics
- *Ruprecht-Karls University of Heidelberg*, Heidelberg, Germany (September 1994)
Master of Science in Medical Informatics
- *Ruprecht-Karls University of Heidelberg*, Heidelberg, Germany (August 1991)
Bachelor of Science in Medical Informatics

Positions Held

- 2007- Graduate Program Director, Division of Biomedical and Health Informatics, Department of Medical Education and Biomedical Informatics, University of Washington
- 2007- Director, Clinical Informatics and Patient Centered Technologies (CIPCT) Graduate Program, School of Nursing, University of Washington
- 2007- Adjunct Associate Professor, Health and Community Systems, School of Nursing, University of Pittsburgh
- 2006- Associate Professor, Biobehavioral Nursing and Health Systems, School of Nursing & Biomedical and Health Informatics, School of Medicine (joint appointment), University of Washington
- 2005-2006 Associate Director of the National Library of Medicine (NLM) Biomedical and Health Informatics Training Grant-University of Missouri, Columbia
- 2003- 2006 Director of the Health Informatics Graduate Program at the University of Missouri, Columbia
- 2002-2006 Assistant Professor, Department of Health Management and Informatics, University of Missouri-Columbia
- 2001 Project Manager, ATKOSoft SA. Athens, Greece
- 2001 Visiting Professor for the National School of Public Health- Athens, Greece
- 1998-2000 Graduate Research Assistant for the TeleHomeCare Project, University of Minnesota
- 1998 Graduate Research Assistant for the Telemedicine Center, University of Minnesota
- 1997-1998 Graduate Teaching Assistant, University of Minnesota
- 1994-1996 Research Associate, Medical Informatics, University of Freiburg, Germany

1992-1994 Graduate Research Assistant, German Cancer Research Center, Heidelberg, Germany

Professional Development

- University of Missouri-Columbia New Faculty Teaching Scholar 2003-2004
- University of Missouri Faculty Grant Writing Institute Summer 2003

Awards

- MU Sinclair School of Nursing Interdisciplinary Faculty Award for Excellence, 2005
- Outstanding Faculty Award-Health Management and Informatics Graduate Student Association 2003-2004
- European Union Center Faculty Fellow 2003-2004
- University of Missouri Alumni Association Faculty Incentive Grant 2002-2003
- European Union Center, University of Missouri Columbia Faculty Research Grant Award 2002-2003
- AMIA 2001 Diana E. Forsythe Award Finalist for the paper “The Nature of Communication in Virtual Home Care Visits”
- IPHIE (International Partnership in Health Informatics Education) Award-August 2000
- Finalist for the 2000 Juran Fellowship Program at the University of Minnesota

Editorial boards

- Member of the Editorial Board of the International Journal of Electronic Healthcare (since September 2003)
- Member of the Editorial Review Board of the International Journal of Health Information Systems and Informatics (since March 2005)
- Associate Editor, IEEE Transactions on Information Technology in Biomedicine (since 2005)
- Associate Editor, International Journal of Telemedicine and Applications (2007)
- Member of the Editorial Board, Journal of Ambient Intelligence and Smart Environments (since 2008)

Related Professional Services

Internal Professional Services:

- Member, UW Institute for Translational Health Sciences (ITHS) Small Pilot Grants review committee, 2008-2009
- Member, MS Task Force, UW School of Nursing 2008-2009
- Member, Admissions Committee, Biomedical and Health Informatics (BHI), School of Medicine, University of Washington (2006-2007, 2007-2008, 2008-2009)
- Member, PhD Qualifying Exam Committee, Biomedical and Health Informatics, School of Medicine, University of Washington (2007-2008, 2008-2009)

- Chair, PhD Qualifying Exam Committee, Biomedical and Health Informatics, School of Medicine, University of Washington (2008-2009)
- Member, Search Committee for Faculty Position in Public Health Informatics, Schools of Medicine and Public Health, University of Washington (2007-2008)
- Core Faculty Member of the National Library of Medicine (NLM) Biomedical and Health Informatics Research Training program at the University of Missouri (2002-2006)
- Fellow, Center for Health Care Quality, University of Missouri-Columbia (2002-2006)
- Fellow, Center of Excellence on Aging, University of Missouri-Columbia (2003-2006)
- Member of the Academic Cabinet of the European Union Center at the University of Missouri-Columbia (2002-2006)
- Adjunct Assistant Professor, Sinclair School of Nursing, University of Missouri-Columbia (2004-2006)
- Member of the Admissions Committee of the Health Management and Informatics Department (2002-2006)
- Member of the Selection Committee of the National Library of Medicine (NLM) Biomedical and Health Informatics Research Training Program at the University of Missouri-Columbia (2004-2006)
- Member of the Search Committee for Assistant/Associate Professor(s) in Health Management, Department of Health Management and Informatics (2003-2005)
- Chair of the Search Committee for Assistant/Associate Professor(s) in Biomedical and Health Informatics, Department of Health Management and Informatics (2004, 2005)

External Professional Services:

Leadership Roles

- Chair of the International Medical Informatics Working Group on Smart Homes and Ambient Assisted Living (Nov. 2006-present)
- Guest Editor on a Special Topic Issue for *Methods of Information in Medicine* entitled “Smart Homes and Ambient Assisted Living in an Aging Society” (Call for Papers May 2007)
- Member of the International Medical Informatics Association (IMIA) Educational Taskforce (2007-present)
- Chair of the Knowledge in Motion Working Group, American Medical Informatics Association (AMIA) (2007-present)
- Lead Convener, Special Interest Group, Technology and Aging, Gerontological Society of America (GSA) (2009-present)

- Chair-Elect of the Knowledge in Motion Working Group, American Medical Informatics Association (AMIA) (2005-2006)
- Chair- Human Factors Special Interest Group, American Telemedicine Association (ATA) (2008-present)

Conference Committees

- Third International Conference on Pervasive Computing Technologies for Healthcare 2009, London, UK, April 1-3, 2009; Member of the Technical Program Committee
- eTELEMED 2009, The International Conference on eHealth, Telemedicine, and Social Medicine, Cancun, Mexico, February 1-6, 2009; Member of the Program Committee
- 4th IET International Conference on Intelligent Environments (IE08); Seattle, WA, USA; July 21-22, 2008, Member of the International Program Committee
- PETRA (Pervasive Technologies Related to Assistive Environments) 2008 Workshop on Behaviour Tracking for Adaptive Assistive Environments, July 15-19, 2008; Athens, Greece; Member of Scientific Committee
- Supportive Technology and Design for Healthy Aging 2008. University of Washington Institute on Aging Conference, June 2008; Seattle, WA; Member of the Organizing Committee
- IASTED International Conference on Assistive Technologies (AT 2008) Baltimore, USA; April 16-18, 2008, Member of the International Program Committee
- Tromso Telemedicine and e-Health conference 2008 (Tromso, Norway; June 9-11, 2008), Member of the Scientific Committee
- Track Chair, Associate Editor, IEEE Conference on Automation Science and Engineering 2008 (IEEE CASE 2008), August 23-26, 2008; Washington D.C.
- Track Chair, Associate Editor, IEEE Conference on Automation Science and Engineering 2007 (IEEE CASE 2007), September 22 - 25, 2007; Scottsdale, Arizona
- International Association of Science and Technology for Development (IASTD) International Conference on Telehealth 2007 (Montreal, Canada; May 31-June 1, 2007), Member of the International Program Committee
- Supportive Technology and Design for Healthy Aging 2007. University of Washington Institute on Aging Conference, May 11-12, 2007; Seattle, WA; Member of the Organizing Committee
- Member of the Scientific Committee of the 4th International Conference on Information Communication Technologies in Health (2006)
- International Association of Science and Technology for Development (IASTD) International Conference on Telehealth 2006 (Banff, Canada; July 3-5, 2006), Member of the International Program Committee
- International Association of Science and Technology for Development

(IASTED) International Conference on Telehealth 2005 (Banff, Canada; July 19-21, 2005), Member of the International Program Committee

- International Association for Computer Information Systems (IACIS) Pacific 2005 Conference in Taipei-Taiwan, Reviewer (2005)
- Member of the Scientific and Organizing Committees of the 3rd International Conference on Information Communication Technologies in Health (2005)
- Hawaii International Conference on System Sciences 2005, Data and Knowledge Management in Health Care Track, Reviewer
- MEDINFO 2004, Reviewer
- Member of the Scientific Committee of the 2nd International Conference on Information Communication Technologies in Health (2004)

Journal/ Conference Reviews

- 2nd International Conference on Pervasive Technologies Related to Assistive Environments (PETRA), Workshop on “Affect and Behaviour Related Assistance in Support for the Elderly” (2009)
- 2009 IMIA Yearbook of Medical Informatics (2009)
- BMC Medical Informatics and Decision Making (2009)
- Pervasive and Mobile Computing (2008)
- Technology and Health Care (2008, 2009)
- American Medical Informatics Association (AMIA) 2008 Annual Symposium
- Medical Informatics Europe (MIE) 2008 Conference
- Telemedicine and e-Health (2007)
- Cambridge Quarterly for Healthcare Ethics (2007)
- Pervasive and Mobile Computing (2008)
- Journal of Rural Health (2007)
- Journal of Medical Systems (2007)
- Journal of Telemedicine and Telecare, Reviewer (2005, 2007, 2008)
- Journal of the American Medical Association (JAMA), Reviewer (2005)
- Patient Education and Counseling, Reviewer (2004, 2005, 2006, 2007, 2008)
- Journal of Postgraduate Medicine, Reviewer (2005)
- General Hospital Psychiatry, Reviewer (2004)
- International Journal of Electronic Healthcare, Reviewer (2003, 2004, 2005)
- Expert Review of Anti-Infective Therapy (2006)
- IEEE Transactions on Information Technology in Biomedicine, Reviewer (2004, 2005, 2006, 2007, 2008)
- Journal of Medical Internet Research, Reviewer (2003, 2004)

Grant Reviews

- NIH National Institute for Mental Health (NIMH)-Services in Mental Health Specialty Settings (SRSP) Review Committee, Member (February 2008)

- NIH Special Emphasis Panel, Study Section, NIDCR Exploratory and Developmental Grants in Clinical Research (R21), Member (May 2007)
- Academy of Finland, Finnish-Japanese Core Programme on Life Sciences and Medical Science, Reviewer (January 2007)
- Netherlands Organisation for Health Research and Development-ZonMW, New Media and Healthy Living, Reviewer (December 2005)
- Centers for Disease Control and Prevention-Centers of Excellence in Public Health Informatics, Member of the Review Panel (August 2005)
- Centers for Disease Control and Prevention- Health Protection Research Initiative Institutional Research Training Grant Panel, Expert Scientific Reviewer (August 2004)
- U.S. Army Medical Research and Materiel Command (USAMRMC), Scientific Reviewer (2004)

Memberships

- The Gerontological Society of America (since August 2005)
- American Public Health Association (since June 2005)
- American Medical Informatics Association (since May 2000)
- American Telemedicine Association (since March 1998)

Languages

Greek (native), English, German

Publications

Peer Reviewed Journal articles

68. Reeder B, Demiris G. Building the PHARAOH Framework using Scenario-Based Design: A Set of Pandemic Decision-Making Scenarios for Continuity of Operations in a Large Municipal Public Health Agency. *Journal of Medical Systems* (In Press)
67. Parker Oliver D, Washington KT, Wittenberg-Lyles E, Demiris G, Porock D. They're Part of the Team: Participant Evaluation of the ACTIVE Intervention. *Palliative Medicine* (In Press)
66. Parker Oliver D, Demiris G, Wittenberg-Lyles E, Porock D. Use of Videophones for Patient and Family Participation in Hospice Interdisciplinary Team Meetings: A Promising Approach. *European journal of Cancer Care* (In Press)
65. Hensel BK, Parker Oliver D, Demiris G, Rantz M. A Comparison of Video-based Resident-Family Communication in a Nursing Home and a Congregate Living Facility. *Journal of the American Medical Directors Association* (In Press)
64. Wittenberg-Lyles E, Cie GG, Parker Oliver D, Demiris G. What Patients and Families Don't Hear: Backstage Communication in Hospice Interdisciplinary Team Meetings. *Journal of Housing for the Elderly* 2009; 23: 92-105.
63. Demiris G, Hensel BK. "Smart Homes" for Patients at the End of Life. *Journal of Housing for the Elderly* 2009; 23: 106-115.

62. Demiris G, Parker Oliver D, Wittenberg-Lyles E. Assessing Caregivers for Team Interventions (ACT): A New Paradigm for Comprehensive Hospice Quality Care. *American Journal of Hospice and Palliative Medicine* (In Press)
61. Wittenberg-Lyles E, Parker Oliver D, Demiris G, Baldwin P, Regehr K. Communication dynamics in hospice teams: Understanding the role of the Chaplain in interdisciplinary team collaboration. *Journal of Palliative Medicine* 2008; 11(10): 1330-1325.
60. Arsand E, Demiris G. User-centered methods for designing patient-centric self-help tools. *Informatics for Health and Social Care* 2008; 33(3): 158-169.
59. Botsis T, Demiris G, Pedersen S, Hartvigsen G. Home telecare technologies for the elderly. *Journal of Telemedicine and Telecare* 2008; 14: 333-337.
58. Demiris G, Washington K, Doorenbos A, Parker Oliver D, Wittenberg-Lyles E. Use of the Time, Interaction and Performance Theory to Study Hospice Interdisciplinary Team Meetings. *Journal of Hospice and Palliative Nursing* 2008; 10(6): 376-381.
57. Courtney KL, Demiris G, Rantz M, Skubic M. Needing Smart Home Technologies: The Perspectives of Older Adults in Continuing Care Retirement Communities. *Informatics in Primary Care* 2008; 16(3): 195-201.
56. Wittenberg-Lyles E, Parker Oliver D, Demiris G, Petty B, Day M. Caregiver Involvement in Hospice Interdisciplinary Team Meetings: A Case Study. *Journal of Palliative Care* 2008;24(4):277-9.
55. Washington KT, Demiris G, Parker Oliver D, Day M. Telehospice acceptance among providers: A multidisciplinary comparison. *American Journal of Hospice and Palliative Medicine* 2009; 25(6): 452-457.
54. Rantz MJ, Porter R, Cheshire D, Otto D, Servey CH, Johnson RA, Skubic M, Tyrer H, He Z, Demiris G, Lee J, Alexander G, Taylor G. TigerPlace, a state-academic-private project to revolutionize traditional long term care. *Journal of Housing for the Elderly* 2008; 22(1/2): 66-85.
53. Demiris G, Parker Oliver D, Dickey G, Skubic M, Rantz M. Findings from a Participatory Evaluation of a Smart Home Application for Older Adults. *Technology and Health Care* 2008; 16:111-118.
52. Demiris G, Parker Oliver D, Hensel B, Dickey G, Rantz M, Skubic M. Use of Videophones for Distant Caregiving: an enriching experience for families and residents in Long-Term Care. *Journal of Gerontological Nursing* 2008; 34(7):50-55.
51. Demiris G, Wittenberg-Lyles E, Parker Oliver D, Courtney KL. A survey on the use of technology to support hospice interdisciplinary team meetings. *International Journal of Electronic Healthcare* 2008; 4(3/4):244-256.
50. Demiris G, Hensel BK. Technologies for an Aging Society: A Systematic Review of "Smart Home" Applications. *Methods of Information in Medicine* 2008; 47 (Suppl. 1-International Medical Informatics Association Yearbook 2008):33-40.
49. Demiris G, Washington K, Parker Oliver D, Wittenberg-Lyles E. A Study of Information Flow in Hospice Interdisciplinary Team meetings. *Journal of Interprofessional Care* 2008; 22(6): 621-629.

48. Demiris G, Hensel BK, Skubic M, Rantz M. Senior residents' perceived need of and preferences for "smart home" sensor technologies. *International Journal of Technology Assessment in Health Care* 2008; 24(1): 120-124.
47. Demiris G, Afrin LB, Speedie S, Courtney KL, Sondhi M, Vimarlund V, Lovis C, Goossen W, Lynch C. Patient-centered applications: use of information technology to promote disease management and wellness: A White Paper by the AMIA Knowledge in Motion Working Group. *Journal of the American Medical Informatics Association* 2008; 15(1):8-13.
46. Courtney KL, Alexander G, Demiris G. Information technology from novice to expert: implementation implications. *Journal of Nursing Management* 2008; 16(6): 692-699.
45. Parker Oliver D, Wittenberg-Lyles E, Demiris G, Washington K, Porock D, Day M. Barriers to Pain Management: Caregivers Perception and Pain Talk by Hospice Interdisciplinary Teams. *Journal of Pain and Symptom Management* 2008;36(4): 374-382
44. Washington K, Demiris G, Parker Oliver D, Day M. Home Internet Use among Hospice Service Recipients: Recommendations for Web based Interventions. *Journal of Medical Systems* 2007; 31: 385-389.
43. Demiris G, Parker Oliver D, Courtney KL, Day M. Use of Telehospice Tools for Senior Caregivers: A Pilot Study. *Clinical Gerontologist* 2007; 31(1): 43-57.
42. Demiris G, Courtney KL, Meyer W. Current status and perceived needs of Information Technology in Critical Access Hospitals: a survey study. *Informatics in Primary Care* 2007; 15: 45-51.
41. Courtney KL, Demiris G, Hensel BK. Obtrusiveness of Information-based Assistive Technologies as Perceived by Older Adults in Residential Care Facilities: a Secondary Analysis. *Medical Informatics and the Internet in Medicine* 2007; 32(3):241-249.
40. Hensel BK, Parker Oliver D, Demiris G. Videophone Communication between Residents and Family: A Case Study. *Journal of the American Medical Directors Association* 2007; 8(2): 123-127.
39. Demiris G. Interdisciplinary Innovations in Biomedical and Health Informatics Graduate Education. *Methods of Information in Medicine* 2007;46(1):63-66.
38. Wittenberg-Lyles EM, Parker Oliver D, Demiris G, Courtney KL. Assessing the Nature and Process of Hospice Interdisciplinary Team Meetings. *Journal of Hospice & Palliative Nursing* 2007; 9(1):17-21.
37. Willis L, Demiris G, Parker Oliver DR. Internet Use by Hospice Families and Providers: A Systematic Review. *Journal of Medical Systems* 2007;31(2):97-101.
36. Day M, Demiris G, Parker Oliver DR, Courtney KL, Hensel B. Exploring Underutilization of Videophones in Hospice Settings. *Telemedicine and e-health* 2007; 13 (1): 25-32.
35. Hensel BK, Demiris G, Courtney KL. Defining Obtrusiveness in Home Telehealth Technologies: A Conceptual Framework. *Journal of the American Medical Informatics Association* 2006; 13(4): 428-431.

34. Parker Oliver DR, Demiris G, Hensel BK. A promising technology to reduce social isolation of nursing home residents. *Journal of Nursing Care Quality* 2006; 4: 302-305.
33. Demiris G, Parker Oliver DR, Courtney K. A study of the suitability of videophones for psychometric assessment. *Behaviour and Information Technology* 2006; 25(3): 233-237.
32. Schopp LH, Demiris G, Glueckauf RL. Rural Backwaters or Frontrunners? Rural Telehealth in the Vanguard of Psychology Practice. *Professional Psychology: Research & Practice* 2006; 37(2): 165-173.
31. Demiris G. The Diffusion of Virtual Communities in Health Care: Concepts and Challenges. *Patient Education and Counseling* 2006; 62:178-188.
30. Demiris G. Principles of survey development for telemedicine applications. *Journal of Telemedicine and Telecare* 2006;12(3):111-115.
29. Parker Oliver D, Demiris G. Social Work Informatics: A New Specialty. *Social Work* 2006; 51(2): 127-134
28. Demiris G, Parker Oliver DR, Courtney KL. Ethical Considerations for the Utilization of Telehealth Technologies in Home and Hospice Care by the Nursing Profession. *Nursing Administration Quarterly* 2006; 30(1):56-66.
27. Parker Oliver DR, Demiris G, Day M, Courtney KL, Porock D. Tele-hospice support for elder caregivers of hospice patients: two case studies. *Journal of Palliative Medicine* 2006;9(2):264-267.
26. Demiris G, Parker Oliver DR, Courtney KL, Porock D. Use of Technology as a Support Mechanism for Caregivers of Hospice Patients. *Journal of Palliative Care* 2005; 21(4): 303-309.
25. Parker Oliver D, Porock D, Demiris G, Courtney K. Patient and Family Involvement in Hospice Interdisciplinary Teams. *Journal of Palliative Care* 2005; 21(4): 270-276.
24. Parker Oliver D, Demiris G, Porock D. The usability of videophones for seniors and hospice providers: A brief report of two studies. *Computers in Biology and Medicine* 2005; 35(9): 782-790.
23. Courtney KL, Demiris G, Alexander G. Information technology: Changing nursing processes at the point-of-care. *Nursing Administration Quarterly* 2005; 29(4):315-322.
22. Courtney KL, Demiris G, Parker Oliver D, Porock D. Conversion of the CQLI to an interview instrument-Research In Brief. *European Journal of Cancer Care* 2005; 14(5): 463-464.
21. Demiris G, Edison K, Vijaykumar S. Communication models of traditional and video-mediated health care delivery. *International Journal of Medical Informatics* 2005; 74(10): 851-856.
20. Demiris G, Tao D. An analysis of specialized scientific literature in the field of telemedicine. *Journal of Telemedicine and Telecare* 2005; 11(6): 316-319.

19. Demiris G, Shigaki C, Schopp LH. An Evaluation Framework for a Rural Home-Based Telerehabilitation Network. *Journal of Medical Systems* 2005; 29(6): 595-603.
18. Rantz MJ, Marek KD, Aud M, Tyrer HW, Skubic M, Demiris G, Hassam A. A technology and nursing collaboration to help older adults age in place. *Nursing Outlook* 2005; 53(1):40-45.
17. Demiris G, Rantz M, Aud M, Marek K, Tyrer H, Skubic M, Hassam A. Older adults' attitudes towards and perceptions of "smart home" technologies. *Medical Informatics and the Internet in Medicine* 2004; 29(2): 87-94.
16. Demiris G, Patrick TB, Boren SA. Assessing Patient Safety Awareness and Needs in Rural Hospitals. *Informatics in Primary Care* 2004; 12(3): 157-162.
15. Demiris G, Patrick TB, Mitchell JA, Waldren S. To Telemedically Err is Human. *The Joint Commission Journal on Quality and Safety* 2004; 30(9):521-527.
14. Demiris G. Electronic Home Healthcare: Concepts and Challenges. *International Journal of Electronic Healthcare* 2004; 1(1): 4-16.
13. Finkelstein SM, Speedie SM, Demiris G, Veen M, Lundgren J, Potthoff S. Telehomecare: Quality, perception, satisfaction. *Telemedicine Journal and e-health* 2004; 10(2):122-128.
12. Parker Oliver D, Demiris G. An assessment of the readiness of hospice organizations to accept technological innovation. *Journal of Telemedicine and Telecare* 2004; 10(3): 170-174.
11. Demiris G, Speedie SM, Hicks LL. Assessment of Patients' Acceptance of and Satisfaction with Teledermatology. *Journal of Medical Systems* 2004; 28(6): 575-579.
10. Demiris G, Parker Oliver D, Fleming DA, Edison K. Hospice Staff Attitudes towards "Telehospice." *American Journal of Hospice and Palliative Care* 2004; 21(5):343-347.
9. Demiris G, Edison K, Schopp L. Shaping the Future: Trends and Expectations of Telehealth Professionals. *Telemedicine Journal and e-health* 2004; 10 (Suppl. 2): 60-63.
8. Patrick TB, Demiris G, Folk LC, Moxley DE, Mitchell JA, Tao D. *Evidence-Based Retrieval in Evidence-Based Medicine*. *Journal of the Medical Library Association* 2004; 92(2): 196-199
7. Demiris G, Speedie S, Finkelstein S, Harris I. Communication patterns and technical quality of virtual visits in home care. *Journal of Telemedicine and Telecare* 2003; 9(4):210-215
6. Demiris G. Integration of Telemedicine in Graduate Medical Informatics Education. *Journal of the American Medical Informatics Association* 2003; 10(4): 310-314
5. Demiris G. Introducing Telemedicine within a Health Informatics curriculum *Academic Exchange Quarterly* 2002; Vol. 6(3):5-11

4. Demiris G, Finkelstein S, Speedie S. Considerations for the design of a web-based clinical monitoring and educational system for elderly patients. *Journal of the American Medical Informatics Association* 2001;Vol.8 (5): 468-472
3. Finkelstein S, Speedie S, Lundgren JM, Demiris G, Ideker M. TeleHomeCare: Virtual visits from the patient home. *Home Health Care Management and Practice* 2001; 13:219-226
2. Demiris G, Speedie S, Finkelstein S. Change of patients' perception of telehomecare. *Telemedicine Journal and e-Health* 2001; Vol.7(3):241-248
1. Demiris G, Speedie S, Finkelstein S. A questionnaire for the assessment of patients' impressions of the risks and benefits of home telecare. *Journal of Telemedicine and Telecare* 2000; Vol.6 (5):278-284

Peer Reviewed Conference papers

17. Demiris G, Courtney KL, Skubic M, Rantz M. An Evaluation Protocol of a Smart Home Application for Older Adults. International Conference Addressing Information Technology and Communications in Health (ITCH), Victoria, BC, Canada (Feb. 2007), Proceedings 2007, p. 319-323.
16. Courtney KL, Demiris G. Accessing Embedded Clinical Knowledge for Informatics Research Using Qualitative Methods. International Conference Addressing Information Technology and Communications in Health (ITCH), Victoria, BC, Canada (Feb. 2007), Proceedings 2007, p.111-116.
15. Demiris G, Skubic M, Rantz M, Keller J, Aud M, Hensel B, He Z. Smart Home Sensors for the Elderly: A Model for Participatory Formative Evaluation. IEEE EMBS International Special Topic Conference on Information Technology in Biomedicine. (Ioannina Greece, October 26-28, 2006) Proceedings, p.1-4
14. Tyrer HW, Alwan M, Demiris G, He Z, Keller J, Skubic M, Rantz M. Technology for Successful Aging. Proceedings of the 28th IEEE EMBS Annual International Conference 2006 (New York City, USA, Aug 30-Sept 3, 2006), p. 3290-3293
13. Courtney KL, Demiris G, Rantz MJ, Skubic M. Decision Factors for Participation in Smart Home Technology Research in a Residential Care Setting: A Single Subject Case Study. Proceedings of the International Congress of the European Federation of Medical Informatics (MIE Maastricht, Netherlands, August 2006), Hasman A et al. (Eds.) *Ubiquity: Technologies for Better Health in Aging Societies*. IOS Press 2006, p. 379-384
12. Demiris G, Skubic M, Rantz MJ, Courtney KL, Aud MA, Tyrer HW, He Z, Lee J. Facilitating interdisciplinary design specification of "smart homes" for aging in place. Proceedings of the International Congress of the European Federation of Medical Informatics (MIE Maastricht, Netherlands, August 2006), Hasman A et al. (Eds.) *Ubiquity: Technologies for Better Health in Aging Societies*. IOS Press 2006, p. 45-50
11. Demiris G, Skubic M, Keller J, Rantz MJ, Oliver Parker D, Aud MA, Lee J, Burks K, Green N. Nurse Participation in the design of user interfaces for a smart home

- system. Proceedings of the 4th International Conference on Smart Homes and Health Telematics Proceedings (Belfast, UK 2006) IOS Press 2006; p. 66-73.
10. Demiris G, Courtney KL, Waldren SE. Users' Needs and Expectations of Electronic Medical Record Systems in Family Medicine Residence Settings. In: Engelbrecht R, Geissbuhler A, Lovis C, Mihalas G. (Eds) Connecting Medical Informatics and Biomedical Informatics; Proceedings of Medical Informatics Europe (MIE) 2005; Studies in Health Technology and Informatics 2005; Vol. 116, p.65-70
 9. Courtney KL, Demiris G, Craven CK, Oliver DR, Porock D. Exploring Electronic Conversion of Behavioral Instruments for Telehealth. In: Engelbrecht R, Geissbuhler A, Lovis C, Mihalas G. (Eds) Connecting Medical Informatics and Biomedical Informatics; Proceedings of Medical Informatics Europe (MIE) 2005; Studies in Health Technology and Informatics 2005; Vol. 116, p.305-310
 8. Demiris G, Rantz MJ, Aud MA, Tyrer HW, Skubic M. Home based e-health Technologies for Seniors: A needs assessment study. Proceedings of the 2nd International Conference on Information Communication technologies in Health, Samos-Greece 2004, p. 79-83
 7. Demiris G, Oliver D, Fleming DA, Edison K. Use of Telemedicine Technologies for Hospice Patients. International Conference on Information Communication technologies in Health 2003 Proceedings p. 23-26
 6. Demiris G. *The Introduction of e-Health in Medical Education*. Fourth International Conference on Information Communication Technologies in Education 2003 Proceedings p. 151-157
 5. Demiris G. Utilizing Telemedicine Technologies for Patients at the End-of-Life. *FICOSSER (Federation for International Cooperation in Health Services Research) Conference Proceedings 2002*
 4. Demiris G. The W3E Guidelines for medical web applications for the elderly. *Technology and Health Care* 2002,10(6):469-471
 3. Demiris G, Vayena E. Can the Internet play a role in reducing the global burden of infertility? *Technology and Health Care* 2002, 10(6): 471-473
 2. Finkelstein S, Speedie S, Demiris G, Hoff M, Lundgren JM. Telemedicine in Home Health Care. *Proceedings of the State of the Science Conference on Telerehabilitation and Applications of Virtual Reality* 2001, NRH Press, Washington DC, pp.94-97
 1. Demiris G, Speedie S, Finkelstein S. The Nature of Communication in Virtual Home Care Visits. *Proc AMIA Symp* 2001: 135-138

Peer Reviewed Conference abstracts

66. Demiris G, Washington K, Parker Oliver D, Wittenberg-Lyles E. Information Exchange in Hospice Teams. Program No. 422-7. *2008 Abstract Viewer*. National Harbor, MD: The Gerontological Society of America. Poster Presentation at the Gerontological Society of America Conference November 2008, National Harbor, MD, USA

65. Washington K, Demiris G, Parker Oliver D. Telemedicine Acceptance among Hospice Professionals:A Multidisciplinary Perspective. Program No. 403-1. 2008 *Abstract Viewer*. National Harbor, MD: The Gerontological Society of America. Poster Presentation at the Gerontological Society of America Conference November 2008, National Harbor, MD, USA
64. Masuda DL, Zierler B, Demiris G. Learning is Different on the Web: A Theory-based Course Redesign Effort. AMIA Annual Symposium Proceedings 2008:1047. Poster Presentation at the American Medical Informatics Association Annual Congress November 2008, Washington DC, USA.
63. Parker Oliver D, Demiris G. The Promise of Commercially Available Videophones for Long-term care: Findings and Challenges. *Telemedicine and e-health* 2008; 14 (Suppl. 1): 85
Presented at the 13th Annual American Telemedicine Association (ATA) International Meeting and Exposition, April 2008, Seattle, WA, USA.
62. Inman CJ, Demiris G. Telemedicine in Pediatric Rheumatology as a Medical Education Tool. *Telemedicine and e-health* 2008; 14(Suppl. 1): 105. Poster presentation at the 13th Annual American Telemedicine Association (ATA) International Meeting and Exposition, April 2008, Seattle, WA, USA.
61. Demiris G, Parker Oliver D, Rantz M, Skubic M. Participatory Evaluation of a Telehealth Application for Aging in Place. *Telemedicine and e-health* 2008; 14(Suppl. 1): 64.
Presented at the 13th Annual American Telemedicine Association (ATA) International Meeting and Exposition, April 2008, Seattle, WA, USA.
60. Parker Oliver D, Demiris G, Wittenberg-lyles E, Washington K, Day M. Telehealth as a Tool to Empower Patients and Informal Caregivers. *Telemedicine and e-health* 2008; 14(Suppl. 1): 58-59.
Presented at the 13th Annual American Telemedicine Association (ATA) International Meeting and Exposition, April 2008, Seattle, WA, USA.
59. Demiris G. Patient-centered Telehealth: A Theoretical Framework. *Telemedicine and e-health* 2008; 14(Suppl. 1): 53
Presented at the 13th Annual American Telemedicine Association (ATA) International Meeting and Exposition, April 2008, Seattle, WA, USA.
58. Courtney KL, Demiris G, Hensel BK. Describing Obtrusiveness for Telehealth and Smart Technologies. *Telemedicine and e-health* 2008; 14(Suppl. 1): 44
Presented at the 13th Annual American Telemedicine Association (ATA) International Meeting and Exposition, April 2008, Seattle, WA, USA.
57. Demiris G. Principles of Participatory Evaluation for the Assessment of Smart Home Applications for Older Adults. . *The Gerontologist* 2007; 47(Special Issue 1): 333
Presented at the 60th Annual Meeting of the Gerontological Society of America GSA 2007, San Francisco, November 2007

56. Demiris G, Parker Oliver D, Wittenberg-Lyles E, Courtney K, Washington K, Day M. Using Technology to Provide Support for Caregivers of Hospice Patients. *The Gerontologist* 2007; 47(Special Issue 1): 460
Presented at the 60th Annual Meeting of the Gerontological Society of America GSA 2007, San Francisco, November 2007
55. Washington K, Demiris G, Parker Oliver D, Day M. Implementing web-based Hospice Services in Rural Areas: Challenges and Opportunities. *The Gerontologist* 2007; 47(Special Issue 1): 682
Poster Presentation at the 60th Annual Meeting of the Gerontological Society of America GSA 2007, San Francisco, November 2007
54. Parker Oliver D, Demiris G, Wittenberg-Lyles E, Day M, Washington K. Hospice Caregiver Quality of Life and Caregiver Perceptions of Barriers Toward Pain Management. *The Gerontologist* 2007; 47(Special Issue 1): 122
Poster Presentation at the 60th Annual Meeting of the Gerontological Society of America GSA 2007, San Francisco, November 2007
53. Demiris G, Courtney KL, Meyer W. A Survey Study Exploring the Potential of Telehealth in Critical Access Hospitals. *Proceedings of the American Medical Informatics Association (AMIA) 2007 (In Press)*, Poster presentation, Chicago, November 2007
52. Parker Oliver D, Demiris G, Hensel BK. A Videophone Intervention with In-hospice caregivers: Clinical Outcomes. *Telemedicine and e-health* 2007; 13(2): 172.
Presentation at the 12th Annual International Meeting of the American Telemedicine Association (ATA), May 2007, Nashville, TN
51. Hensel BK, Parker Oliver D, Demiris G. Does greater communication bandwidth increase perceived social presence in videophone communication? *Telemedicine and e-health* 2007; 13(2): 227.
Poster Presentation at the 12th Annual International Meeting of the American Telemedicine Association (ATA), May 2007, Nashville, TN
50. Demiris G, Parker Oliver D. Commercially Available Videophones For The Patient's Home: Findings And Challenges. *Telemedicine and e-health* 2007; 13(2): 205.
Roundtable presentation at the 12th Annual International Meeting of the American Telemedicine Association (ATA), May 2007, Nashville, TN
49. Demiris G. Examining Health Care Providers' Participation in Telemedicine System Design and Implementation. *Proceedings of the American Medical Informatics Association (AMIA) 2006*; p. 906. Washington DC, November 2006
48. Hensel BK, Parker Oliver D, Demiris G. A Telehealth Case Study of Videophone Use between Family Members. *Proceedings of the American Medical Informatics Association (AMIA) 2006*; p. 948, Washington DC, November 2006
47. Demiris G, Skubic M, Rantz M, Hensel B. Smart Home Sensors for Aging in Place: Older Adults' Attitudes and Willingness to Adopt. *The Gerontologist* 2006; 46 (Special Issue 1): 430
Poster Presentation at the 59th Annual Scientific Meeting of the Gerontological Society of America, Dallas, TX, Nov. 2006

46. Su K C, Demiris G. Redefining Informed Consent in the Era of E-Health. In: Eysenbach G. (Ed.) Improving Public Health Through the Internet. Abstracts Book, 11th World Congress on Internet in Medicine, Toronto, Oct 14 - 19th, 2006: JMIR Publications 2006; 45: 104.
45. Parker Oliver D, Demiris G, Courtney K. Patient and family involvement in hospice interdisciplinary team meetings in the United States. Palliative Medicine 2006; 20(3):278.
Poster presentation at the 4th European Association of Palliative Care Forum on Research In Palliative Care, Venice, Italy-May 2006
44. Demiris G, Parker Oliver DR, Courtney KL. Can videophones be used for psychometric assessment? Telemedicine and e-health 2006; 12(2):199
Presentation at the 11th Annual Meeting of the American Telemedicine Association, May 7-10, 2006, San Diego, CA
43. Demiris G, Tao D. An analysis of the scientific literature in telemedicine. Telemedicine and e-health 2006; 12(2):254.
Poster Presentation at the 11th Annual Meeting of the American Telemedicine Association, May 7-10, 2006, San Diego, CA
42. Demiris G, Skubic M, Parker Oliver DR, Rantz MJ, Aud MA, Lee J, Burks K, Keller J, Green N. End-User Involvement in Interface Design of Smart Home Applications: The Nursing Perspective. Presented at the International Conference on Aging, Disability and Independence (ICADI) 2006, St. Petersburg, Florida, February 2006.
41. Demiris G, Skubic M, Rantz MJ, Hensel B, Aud MA, Tyrer HW, Parker Oliver D, Jee R, Burks K, Harris KM. Older Adults' Attitudes Towards Smart Home Features. Presented at the International Conference on Aging, Disability and Independence (ICADI) 2006, St. Petersburg, Florida, February 2006.
40. Demiris G, Rantz MJ, Aud MA, Skubic M, Tyrer HW. A needs assessment study for a "smart home" facility. Presentation at the 133rd Annual Meeting of the American Public Health Association-Philadelphia, PA, December 2005 (In Press)
39. Demiris G, Parker Oliver DR, Courtney KL, Proock D. Tools to improve quality of life for caregivers of patients at the end of life: The Missouri Telehospice Project. Presentation at the 133rd Annual Meeting of the American Public Health Association-Philadelphia, PA, December 2005 (In Press)
38. Demiris G, Courtney KL, Riley S, Meyer W. Information Technology Needs for Critical Access Hospitals. Poster presentation at the 133rd Annual Meeting of the American Public Health Association-Philadelphia, PA, December 2005 (In Press)
37. Demiris G, Oliver DR, Courtney KL. A video-mediated Intervention for Senior Caregivers. The Gerontologist 2005; 45 (Special Issue 2):328-329
Presentation at the 58th Annual Scientific Meeting of the Gerontological Society of America, November 2005, Orlando-Florida
36. Demiris G, Oliver DR, Courtney KL. Use of Videophones for Psychometric Assessment of the Elderly Population. The Gerontologist 2005; 45 (Special Issue 2): 182

- Presentation at the 58th Annual Scientific Meeting of the Gerontological Society of America, November 2005, Orlando-Florida
35. Demiris G, Rantz MJ, Skubic M, Aud MA, Tyrer Jr HW. Interdisciplinary Team Design of “Smart” Residences for Aging in Place. *The Gerontologist* 2005; 45 (Special Issue 2):182
Presentation at the 58th Annual Scientific Meeting of the Gerontological Society of America, November 2005, Orlando-Florida
 34. Parker Oliver DR, Porock D, Demiris G. Patient and Family Participation in Hospice Interdisciplinary Teams. *The Gerontologist* 2005; 45 (Special Issue 2): 209
Poster Presentation at the 58th Annual Scientific Meeting of the Gerontological Society of America, November 2005, Orlando-Florida
 33. Demiris G, Rantz MJ, Skubic M, Aud MA, Tyrer Jr HW. Home-Based Assistive Technologies for Elderly: Attitudes and Perceptions. *American Medical Informatics Association Annual Symposium Proceedings* 2005: 935
 32. Demiris G. Assessing User Participation in Telemedicine System Design. *Telemedicine and e-health* 2005; 11(2): 210
Presentation at the 10th Annual Meeting of the American Telemedicine Association, April 17-20, 2005, Denver, Colorado
 31. Demiris G. Exploring Telemedicine Video-Based Communication: Content, Style, Timing, Discourse Analysis and Technological Hurdles. *Telemedicine and e-health* 2005; 11(2):221
Presentation at the 10th Annual Meeting of the American Telemedicine Association, April 17-20, 2005, Denver, Colorado
 30. Demiris G. Impact of Audio and Video Degradation on Style and Content of Communication in Clinical Teleconsultations. *Telemedicine and e-health* 2005; 11(2):221
Presentation at the 10th Annual Meeting of the American Telemedicine Association, April 17-20, 2005, Denver, Colorado
 29. Rantz M, Demiris G, Aud M, Skubic M, Tyrer Jr. H. Seniors’ Attitudes Towards Home-Based Assistive Technologies. *Proceedings of the Midwest Nursing Research Society (MNRS), 29th Annual Research Conference (Cincinnati, OH) 2005, p. 40*
 28. Demiris G. Interdisciplinary Innovations in Biomedical and Health Informatics Graduate Education: The Missouri Experience. *Proceedings of the European Federation of Medical Informatics Special Topics Conference; Health and Medical Informatics Applications, Educational Aspects. Athens, Greece 2005; Hasman A, Mantas J.(Eds): 52*
 27. Demiris G, Boren SA, Nelson KJ, Hall LW, Meyer W, Riley S. Rural Patient Safety: Needs Assessment in Rural Hospitals. *Academy Health. Annual Research Meeting 2004 San Diego Proceedings*
 26. Demiris G, Edison K. Measuring Quality Improvement in a Telemedical Setting. *Telemedicine Journal and e-health. Conference Proceedings of the 9th Annual Meeting of the American Telemedicine Association. Telemedicine Journal and e-Health* 2004; 10 (Suppl. 1): 69

25. Demiris G, Rantz MJ, Aud MA, Tyrer Jr. HW, Skubic M, Marek K. Smart Home Technologies for Aging in Place. *Telemedicine Journal and e-health. Conference Proceedings of the 9th Annual Meeting of the American Telemedicine Association. Telemedicine Journal and e-Health 2004; 10 (Suppl. 1): 99*
24. Demiris G, Edison K, Sridhar S, Patrick TB, Fleming DA. Comparison of communication patterns in traditional and tele-dermatology. *Telemedicine Journal and e-health. Conference Proceedings of the 9th Annual Meeting of the American Telemedicine Association. Telemedicine Journal and e-Health 2004; 10 (Suppl. 1): 54*
23. Patrick TB, Demiris G, Folk LC, Wasekar C. Representational Cost Metrics For Choice Of Controlled Terminology. *MEDINFO 2004 Proceedings: p. 1803*
22. Waldren SE, Demiris G. Electronic Medical Record Features Determination by Content Analysis. *MEDINFO 2004 Proceedings, p. 1898.*
21. Baghal SA, Demiris G. Longitudinal Clinical Data Analysis of Diabetes Mellitus Using Temporal Databases. *MEDINFO 2004 Proceedings :p. 1513*
20. Folk LC, Patrick TB, Demiris G. Evidence-based Retrieval of Gene Functional Annotations. *MEDINFO 2004 Proceedings, p. 1597*
19. Parker Oliver, D, Demiris G. A Needs Assessment Study For the Missouri Telehospice Project. *The Gerontologist 2003; 43 (special issue 1), p.421.*
18. Demiris G, Patrick TB, Khatri N. Assessing Home Care Agencies' Readiness for Telehealth. *American Medical Informatics Association Fall Symposium 2003 Proceedings, p. 825.*
17. Oliver DR, Demiris G, Fleming DA, Edison K. A needs assessment study for the Missouri Tele-hospice project. *American Medical Informatics Association Fall Symposium 2003 Proceedings, p. 959.*
16. Tao D, Demiris G, Graves RS. Transition from in-Library Use of Resources to Outside-Library Use: The impact of the Internet on Information Seeking Behavior of Medical Students and Faculty. *American Medical Informatics Association Fall Symposium 2003 Proceedings, p. 1027.*
15. Demiris G, Patrick TB, Huan MJ, White Tm. Case-Based Education for Health Service Managers for Ongoing Evaluation of Risk of HIPAA Non-Compliance. *Abstract Handbook, Association of University Programs in Health Administration Annual Meeting, June 2003-Nashville.*
14. Demiris G, Fleming DA, Edison K, Oliver D. *The Missouri Telehospice Project.* *American Telemedicine Association 8th Annual Meeting, Telemedicine Journal and e-Health 2003; 9(Suppl. 1):S100*
13. Fleming D, Demiris G, Edison K. *The Value of Telehomecare for the Frail Elderly.* *American Telemedicine Association 8th Annual Meeting, Telemedicine Journal and e-Health 2003;9 (Suppl. 1):S102.*
12. Patrick TB, Khatri N, Demiris G, Brown GD. *Managing Information and People for Competitive Advantage in Health Care.* *AcademyHealth 2003 (in Press)*
11. Demiris G, Speedie S, Harris I. The Value of Virtual Visits in Telehomecare. *European Journal of Medical Research 2002; 7(Suppl. 1): 19*

10. Demiris G. Tele-Pediatrics: Applying Telemedicine in Pediatrics. *European Journal of Medical Research* 2002; 7(Suppl. 1): 18
9. Demiris G, Fleming DA, Edison K. Utilizing Telemedicine for Hospice Patients. *European Journal of Medical Research* 2002; 7(Suppl. 1): 19
8. Veen M, Speedie S, Finkelstein S, Lundgren JM, Demiris G. Impact of Telehomecare on Patient Outcomes: Initial Results. *Telemedicine Journal and e-Health* 2002; Vol. 8(2):218
7. Demiris G, Speedie S, Finkelstein S. What do patients think of telehomecare? *Telemedicine Journal and e-Health* 2001; Vol.7(2):176
6. Demiris G, Speedie S, Finkelstein S. How patients perceive a telemedicine system in home care. *Proc AMIA Symp* 2001: S890
5. Ganzinger M, Demiris G, Finkelstein S, Speedie S, Lundgren JM. An Automated Web Diary System for TeleHomeCare Patient Monitoring. *Proc AMIA Symp* 2001: S909
4. Demiris G, Finkelstein S, Speedie S. A web-based clinical monitoring and educational system for home care patients. *Proc AMIA Symp* 2000:991
3. Demiris G, Speedie S, Finkelstein S. Measuring Patients' Perceptions of Telemedicine's Role in Home Care. *Telemedicine Journal* 2000;6:176
2. Finkelstein S, Lundgren JM, Demiris G, Hoff M, Speedie SM, Feasibility of telemedicine in home health care. *IEEE Engineering in Medicine and Biology Society Proceedings* 2000;22
1. Finkelstein S, Speedie S, Hoff M, Demiris G. Tele-Homecare:Telemedicine in Home Health Care. *IEEE Engineering in Medicine and Biology Society Proceedings* 1999;21:68

Invited publications

- Krupinski E, Charness N, Demiris G, Bulik RJ, Seale DE. Roundtable Discussion: Human Factors in Telemedicine. *Telemedicine and e-Health* 2008; 14(10): 1024-1030.
- Demiris G. Smart homes and ambient assisted living in an aging society. New opportunities and challenges for biomedical informatics. *Methods of Information in Medicine* 2008; 47(1): 56-57.
- Demiris G. Workshop on transatlantic collaboration in telehealth and telework. *Journal of Telemedicine and Telecare* 2006;12(2):108.
- Demiris G, Parker Oliver DR, Courtney KL. The Missouri Telehospice Project: Findings from the First Two Years. *Patient Reported Outcomes Newsletter* 2005; 35: p. 15-17
- Mitchell JA, Demiris G. Telegenetics: the next phase in the provision of genetics services? *Genetics in Medicine* 2005; 7(1):1-2.
- Demiris G. Disease Management and the Internet. (Editorial) *Journal of Medical Internet Research* 2004;6(3):e33 <URL: <http://www.jmir.org/2004/3/e33/>>

- Demiris G, Oliver DR, Porock D, Courtney K. The Missouri telehospice project: background and next steps. *Home Health Care Technology Report* 2004; 1(4): 49-55.
- Demiris G. Teaching telehealth to medical students. *Telehealth Practice Report* 2004; 8(6):1,7-8.
- Demiris G. An interactive web-based management system may improve diabetes care by doctors. *Evidence-based Healthcare* 2003; 7(3):119-121
- Finkelstein SM, Speedie SM, Demiris G. TeleHomeCare Improves Healthcare for Elders. *Newsletter of the Network on Environments, Services and Technologies for Maximizing Independence, American Society on Aging* 2003; Volume 10 (3): 2-6
- Demiris G, Eysenbach G. Internet use in disease management for home care patients. *Journal of Medical Internet Research* 2002; 4(2):e6 <URL: <http://www.jmir.org/2002/2/e6/>>
- Demiris G The regular use of virtual visits in home care. *World Medical Association Business Briefing: Next Generation Health Care*, World Markets Research Centre October 2001

Invited presentations

- Demiris G. 2008 National Guest Speaker for the Year. *Aging and Technology: Exploring Translational Research*. University of Missouri Interdisciplinary Center on Aging, September 18, 2008
- Demiris G. Technology and Aging. Keynote presentation for the Tromso Telemedicine and e-health Conference 2007, Tromso, Norway, June 11, 2007
- Demiris G. Technology to Assist Elders in their Homes. *Supportive Technology and Design for Healthy Aging*. University of Washington Institute on Aging Conference, Seattle, WA, May 11-12, 2007
- Demiris G. Panel presentation “Patients, Clinicians, Insurers or Administrators: Who’s Your User? Can User-Centered Design Work in Health Care?” iEdge 2007-An Information School Conference, University of Washington, Seattle, WA, March 28, 2007
- Demiris G. The Home: A New Era of Patient-Centered Informatics Applications. The Arnold Lazarow Memorial Lectureship in Medical Information Sciences, University of Minnesota, June 6, 2006.
- Demiris G. Assistive Technology for Elders. 14th Annual Conference Caring for the Frail Eldery (and 13th Annual Meeting of the Missouri Association of Long-Term Care Physicians), August 2004; Columbia, Missouri.
- Patrick TB, Demiris G, Folk LC. Ontological Dissonance in Telemedical Science and Practice. *Missouri Life Sciences Week*, April 2004; Columbia, Missouri (invited poster presentation)
- Baghal SA, Demiris G. A perspective on health informatics practice in a socialized medicine system. *Missouri Life Sciences Week*, February 2004; Columbia, Missouri (invited poster presentation).

- Folk LC, Patrick TB, Demiris G. Evidence-Based Retrieval of Gene Functional Annotations. Pacific Symposium on Biocomputing 2004, The Island of Hawaii, Hawaii, January 2004. (invited poster presentation).
- Patrick TB, Folk LC, Mitchell JA, Demiris G. Asymmetries in Genomic Retrieval. Pacific Symposium on Biocomputing 2004, The Island of Hawaii, Hawaii, January 2004. (invited poster presentation).
- Demiris G, Oliver D. The Missouri Telehospice Project. End of Life Issues Seminar, Family and Community Medicine, September 2003; Columbia, Missouri.
- Demiris G. "E-Health: The European Perspective." A Presentation Sponsored by the European Union Center at the University of Missouri, March 2003; Columbia, Missouri
- Seth R, Demiris G. An evaluation framework for home-based Telemedicine Applications in Missouri. Missouri Life Sciences Week, February 2003; Columbia, Missouri (invited poster presentation).
- Tao D, Demiris G, Sievert M. Transition from in library use of resources to outside library use: The impact of the Internet on information seeking behavior of the medical students and faculty. Missouri Life Sciences Week, February 2003; Columbia, Missouri (invited poster presentation).

Book reviews

- Demiris G. Review for Medicine by Design; The Practice and Promise of Biomedical Engineering. IEEE Engineering in Medicine and Biology Magazine 2007, January/February, p. 100-101
- Demiris G. Review of "PACS and Imaging Informatics; Basic Principles and Applications." IEEE Engineering in Medicine and Biology Magazine 2005, July/August, p.92-93.
- Demiris G. Review of "Physical Principles of Medical Ultrasonics." IEEE Engineering in Medicine and Biology Magazine 2004, July/August, p. 81-82.
- Demiris G. Review of "Social Alarms to Telecare: Older People's Services in Transition" by M.J. Fisk in Journal of Telemedicine and Telecare 2003; 9(6):357-358.

Peer reviewed Tutorials/ Workshops/Panel

- Parker Oliver D, Demiris G, Wittenberg-Lyles E, Porock D, Washington K, Haley W. Interventions for Hospice Caregivers: Results of the ACT Pilot Studies. Panel presented at the Gerontological Society of America 61st Annual Scientific Meeting, National Harbor, MD, USA, November 22, 2008.
- Speedie S, Demiris G, Finkelstein S, Puskin D. The State of the Art and an Agenda for Research in Home Telehealth. Panel presented at the American Medical Informatics Association (AMIA) Annual Congress 2008, Washington DC, USA, November 11, 2008.

- Demiris G, Marschollek M. Smart Homes and Ambient Assisted Living: Redefining Technology in the Home. Workshop presented at the 21st International Congress of the European Federation for Medical Informatics (MIE) 2008, Gothenburg, Sweden, May 28, 2008.
- Finkelstein S, Demiris G, Tran B, Bowman T. Health Promotion and Wellness: Technologies for Maintaining Health, Safety, and independence for an Aging population. Workshop presented at the Aging in America, 2008 Annual Conference of the National Council on Aging and the American Society on Aging, March 28, 2008.
- Demiris G. Ubiquitous Computing: Introducing Information Technology into Older Adults' Homes. Symposium presented at the 60th Annual Meeting of the Gerontological Society of America GSA 2007, San Francisco, November 2007
- Demiris G, Bakken S, Brennan P, Nguyen H. Panel on "Home-based Telehealth: The End User Perspective" presented at the American Medical Informatics Association (AMIA) 2007 Symposium, Chicago, November 13, 2007.
- Mitchell J, Demiris G, Tarczy-Hornoch P, Jaspers M, Gatewood L. Eight Years of Experience of an International Partnership in Health Informatics Education. Workshop presented at the American Medical Informatics Association (AMIA) 2007 Symposium, Chicago, November 10, 2007.
- Demiris G, Afrin LB, Courtney KL, Goossen W, Lovis C, Vimarlund V. Patient-centered Applications and Mobile Health: Promoting Disease Management and Wellness. Workshop presented at the 12th World Congress on Health/ Medical Informatics Medinfo 2007, Brisbane, Australia, August 19, 2007.
- Koch S, Demiris G, Marschollek M, Vimarlund V. From Evolutionary to Revolutionary Home Healthcare. Tutorial presented at the 12th World congress on Health/ Medical Informatics Medinfo 2007, Brisbane, Australia, August 20, 2007.
- Alexander G, Demiris G. Human Factors Applications for the Design of Developing Technologies Used to Monitor Elderly People. Tutorial presented at the 12th World Congress on Health/ Medical Informatics Medinfo 2007, Brisbane, Australia, August 19, 2007.
- Demiris G, Wetter T. Shared Decision Making: The Role of Information Technology in Addressing Patient Centeredness. An AMIA Knowledge in Motion Working Group Webinar for the American Medical Informatics Association, Sept. 12, 2007.
- Hartvigsen G, Demiris G, Bowes A. Telemedicine in Private Homes. Workshop presented at "Tromso Telemedicine and e-health Conference: Elderly, Who Cares 2007", Tromso, Norway, June 11, 2007.
- Demiris G, Speedie SM, Starren J, Zhang J, Courtney KL. Panel on "*Home-Based Patient Centered Technologies*" Presented at the American Medical Informatics Association (AMIA) 2006 Symposium, Washington, DC, November 15, 2006
- Courtney KL, Demiris G. Value Added: Qualitative Methods in Informatics Research. Workshop presented at the American Medical Informatics Association (AMIA) 2006 Symposium, Washington DC, November 12, 2006

- Demiris G, Craven C, Courtney KL. Evaluation methods on assistive technologies designed for older adults. Half-day tutorial presented at the Congress of the European Federation of Medical Informatics (Medical Informatics Europe-MIE) Maastricht, Netherlands, August 2006
- Demiris G, Courtney KL. Domatics and Informatics: The Era of “Smart Homes.” Workshop presented at the Congress of the European Federation of Medical Informatics (Medical Informatics Europe-MIE) Maastricht, Netherlands, August 2006
- Demiris G. Smart Homes: The Next Generation of Home Based Telehealth Applications. Roundtable panel presentation at the American Telemedicine Association ATA 2006 Conference, San Diego, CA, May 2006.
- Panel Participation at the “Careers in Medical Informatics Panel” at the American Medical Informatics Association Annual Symposium 2005. Washington DC; October 2005.
- Demiris G. Workshop on Telehomecare and “smart home” technologies. MEDINFO 2004. San Francisco, CA; September 2004.
- Demiris G. “Smart home” applications. Workshop session for the 2nd International Conference on Information Communication technologies in Health, Samos-Greece (July 10, 2004)
- Demiris G. Home based telemedicine-Workshop session. 1st International Conference on Information Communication technologies in Health, Samos-Greece (July 13, 2003)

Books:

- Demiris G. (Ed.) e-health: Current Status and Future Trends in the EU and the US. IOS Press, The Netherlands, 2004 (ISBN: 1 58603 442 1).

Book chapters:

- Rantz M, Skubic M, Burks K, Yu Jie, Demiris G, Hensel BK, Alexander GHL, He Z, Tyrer HW, Hamilton M, Lee J, Brown M. Functional assessment and technology. In Majd Alwan, & Robin A. Felder, Eds., *Eldercare Technology For Practitioners*, Humana Press, Totowa, NJ, p. 5-32.
- Demiris G. Home-based disease management. In: Wootton R, Dimmick SL, Kvedar JC. (Eds.) *Home Telehealth: Connecting Care Within the Community*. Royal Society of Medicine Press Ltd, London, UK, 2006; p. 98-107.
- Demiris G. Virtual Communities in Health Care. In: Silverman B, Jain A, Ichalkaranje A, Jain L. (Eds.) *Intelligent Paradigms for Healthcare Enterprises*. Springer Verlag, Germany-Studies in Fuzziness and Soft Computing, Volume 184, 2005; p.121-137
- Demiris G. E-health and Consumer informatics. In: Brown G, Stone T, and Patrick TB. (Eds.) *Managing Information Technology in Health Services Organizations*. Health Administration Press, Chicago, IL, 2005; p. 149-170.

- Demiris G, Tan J. E-Home Care: Rejuvenating Home Health Care and Tele-Home Care. In: Tan J. (Ed.) *E-Health Care Information Systems: An Introduction for Students and Professionals*. Jossey-Bass, San Francisco, 2005; p. 267- 290
- Tan J, Demiris G, Tan J. The OliverHome Case. In: Tan J. (Ed.) *E-Health Care Information Systems: An Introduction for Students and Professionals*. Jossey-Bass, San Francisco, 2005; p. 290-294
- Demiris G. The use of Telemedicine in Pediatrics. In: Perdikouri M, Giovas P, Papadoyannis D. (Eds.) *Telemedicine in Practice*. En Plo, Athens, Greece, 2005; p. 77- 81 (*in Greek*).
- Demiris G. Telemedical Support for Senior Adults. In: Perdikouri M, Giovas P, Papadoyannis D. (Eds.) *Telemedicine in Practice*. En Plo, Athens, Greece, 2005; p. 125- 130 (*in Greek*).
- Demiris G. Telehealth Applications for Home Care. In: Perdikouri M, Giovas P, Papadoyannis D. (Eds.) *Telemedicine in Practice*. En Plo, Athens, Greece, 2005; p. 131- 137 (*in Greek*).
- Demiris G. Home based e-health applications. In: Demiris G. (Ed.) *e-health: Current Status and Future Trends*. IOS Press, The Netherlands, 2004; p. 15-24
- Patrick TB, Demiris G, Folk LC. Evidence based retrieval in e-Health. In: Demiris G. (Ed.) *e-health: Current Status and Future Trends*. IOS Press, The Netherlands, 2004; p. 53-61
- Oliver DR, Demiris G. E-health tools and Social Wokers. In: Demiris G. (Ed.) *e-health: Current Status and Future Trends*. IOS Press, The Netherlands, 2004; p. 35-46

Organization of Conferences/ Conference Sessions:

- One Day Workshop entitled “A Transatlantic Observatory on Telehealth and Telework”, sponsored by the European Union Center at the University of Missouri-Columbia, Brussels, Belgium, July 11th, 2005
http://www.hmi.missouri.edu/transatlantic_workshop/
- Conference Session on “Integration of e-health in Health Administration Education” at the Association of University Programs in Health Administration (AUPHA) Annual Meeting, San Diego June3 -6, 2004
- “*e-health: Current Status and Future Trends in the EU and the US.*” A conference sponsored by the European Union Center at the University of Missouri-Columbia, Columbia, MO, February 12-13, 2004
<http://www.hmi.missouri.edu/ehealth>

Teaching:

- MEBI554/598-Biomedical Information Interactions and Design (University of Washington):
- Spring 2008 (9 students)

- NURS526-Managing Organizational Effectiveness in Health Care Organizations (University of Washington):
 - Spring 2008 (21 students)
 - Spring 2007, University of Washington (8 students)
- University of Missouri-Course Title: “*Design and Management of Health Information Systems*”
 Course Nr: HMI7430 Health Management and Informatics, University of Missouri-Columbia
 Graduate course taught for both the residential and executive (distance learning) management and informatics graduate programs

Term/ Type of Course	Number of students
Fall Semester 2002 Residential Course	28
Fall Semester 2002 Executive Course	12
Winter Semester 2003 Executive Course	9
Fall Semester 2003 Residential Course	27
Fall Semester 2003 Executive Course	9
Winter Semester 2004 Executive Course	17
Fall Semester 2004 Residential Course	24
Fall Semester 2004 Executive Course	9
Winter Semester 2005 Executive Course	22
Fall Semester 2005 Residential Course	21
Fall Semester 2005 Executive Course	14
Winter Semester 2006 Executive Course	25

- University of Missouri Organization of the weekly Informatics Noon Seminar (incl. Identifying and inviting guest speakers on and off campus-Winter Semester 2003, Fall Semester 2003, Winter Semester 2004, Fall Semester 2004, Winter Semester 2005, Fall Semester 2005)
- Course Title: “*Introduction to Informatics in Health Care*”
 Graduate Masters Program in Health Economics, National School of Public Health (Fall Semester 2001)

Grants and Contracts

External Funding:

Ongoing:

- National Institutes of Health (NIH)/ National Institute for Nursing Research (NINR)

A Technology Enhanced Intervention for Hospice Caregivers

1R21NR010744-01 Demiriz (PI)

6/1/2008 - 5/31/2010

2.4 calendar

NIH NINR R21 grant

\$380,000

This project explores the use of commercially available videophones to deliver a nursing intervention aiming to improve coping skills of hospice caregivers. The study design is that of an equivalence trial examining the delivery of the coping skills intervention delivered face-to-face and via videophone.

Role: Principal Investigator

- National Institutes of Health (NIH)/ National Institute for Nursing Research (NINR)

Enhancing Cultural Congruence in Hospice Care

R21NR010725-01 Doorenbos (PI)

06/01/08-05/31/10

1.8 calendar

NINR/NIH

\$380,000

Enhancing Cultural Congruence in Hospice Care This cluster-randomized trial has three specific aims: To evaluate the effect of a web-based cultural competence communication intervention for hospice nurses (1) on quality of communication as assessed by family caregivers; (2) on family caregiver outcomes of anxiety, caregiver burden, and trust of the nurse; and (3) on the processes reflective of hospice nurse's cultural competence.

Role: Co-Investigator

- Health Resources and Services Administration (HRSA)-Advanced Education in Nursing
Graduate Nursing Informatics Education

D09HP09358 Demiriz (PI)

7/1/2008 - 6/30/2011

4.2 calendar

HRSA

\$821,075

This training grant uses problem based learning and distance learning technologies to deliver graduate education in clinical informatics and patient centered technologies to students with a clinical background.

Role: Principal Investigator

- National Institutes of Health (NIH)/ National Institute on Aging (NIA)

1R21 AG026412-02 He (PI)

7/1/07-6/30/2009

Automated video sensor network for eldercare

\$288,197

This project aims to explore new information technologies to assist the independent living of elderly people and enhance their quality of life at home, while efficiently utilizing the time and attention of caregivers and eldercare specialists. A privacy-protecting wireless video sensor network will be developed to collect continuous video data about the activities of elderly residents at home.

Role: PI of subcontract with the University of Missouri, Effort: 8%

- National Science Foundation

NSF-ITR 0428420 Skubic (PI)

10/1/04-10/1/08

Technology Interventions for Elders with Mobility and Cognitive Impairments

\$1,200,000

This project aims to develop and evaluate “smart home” technologies in an independent living facility. The technology based interventions aim to improve senior residents’ quality of life, independence and clinical outcomes.

Role: PI of subcontract with University of Missouri, Effort: 13%

- National Science Foundation

NSF-IIS-0703692 Skubic (PI)

1/1/2008 - 12/31/2010

Elder-Centered Recognition Technology for the Assessment of Physical Function

\$900,000

This project investigates visual sensor networks to assess physical function of older community dwelling adults. The focus is on end-users’ perceptions of privacy and perceived need as well as reliability and validity of the proposed visual sensor assessment of physical function.

Role: PI of subcontract with the University of Missouri, Effort: 6%

- National Institutes of Health (NIH)/ National Cancer Institute (NCI)

1 R21 CA120179-01 Parker Oliver (PI)

9/1/06-8/30/08

Patient and Family Participation in Hospice Meetings

\$367,500

Role: PI of subcontract with University of Missouri, Effort 13%

Completed:

- John A Hartford Foundation Parker Oliver (PI)

9/1/04-9/1/06

Geriatric Telemedicine Intervention for Social Work Practitioners

\$200,000

This project seeks to explore the use videophones as an intervention tool for social workers in a rural hospice program. The project seeks to help social workers lower caregiver anxiety through the use of virtual visits in place of standard telephone contact.

Role: Co-I, Effort 10%

- NLM-NIH 5T15 LM007089-13 Caldwell (PI)
8/1/05-8/30/06
Biomedical and Health Informatics Research Training Grant
\$ 627,874
This project is the training program sponsored by the National Library of Medicine for pre- and postdoctoral fellows who receive training in biomedical and health informatics.
Role: Co-PI, Effort: 5%
- US Administration on Aging Rantz (PI)
09/29/05-2/28/07
Technology to Enhance Aging in Place at TigerPlace
\$979,104
The focus of this project is the development and evaluation of information technology applications that support older adults' independence and quality of life.
Role: Co-PI, Effort: 5%
- Missouri Department of Mental Health Farmer (PI)
6/1/04-5/30/05
Missouri Autism Project Registry
The goal of the Missouri Autism Project Registry is to provide a comprehensive information resource that will direct Missouri state policies and service decisions; provide families and health care providers with supportive, relevant autism information; and facilitate research that will improve the outcomes of Missouri children and adults with autism.
Role: Co-PI, Effort 10%
- International Catherine Pouget Research Award, MAPI Research Institute Demiris (PI)
1/1/04-1/1/06
Exploring the potential of telehospice
\$10,000
This project is a pilot study that focuses on the usability of commercially available videophones and their potential use in a hospice setting where the videophone could potentially enhance hospice services delivered to patients and their caregivers at their home.

Role: PI

Internal Funding:

- School of Nursing - RIFP Nguyen (PI)
7/1/2007 - 6/30/2008
Video Support at Home for Adherence to Regular Exercise for Older Adults
Role: Co-Investigator
The aim of this innovative pilot study is to determine the feasibility and preliminary efficacy of using simple video communication technologies to connect isolated, older adults to a self-designated exercise partner and as a dyad, participate in a 3-month, home-based, low intensity strengthening and stretching exercise program.
- School of Nursing - Center for Woman's Health and Gender Research
Enhancing end of life communication between clinicians and family caregivers
Doorenbos (PI)
4/1/2007 - 3/31/2008
Role: Co-Investigator
The objectives of this exploratory study are: to evaluate the feasibility of our recruitment and retention protocols for hospice family caregivers; to design a Family Caregiver Communication Toolkit and to pilot test, among hospice family caregivers, a family caregiver cultural communication intervention.
- University of Missouri Research Board Demiris (PI)
9/1/05-8/31/06
Video-Mediated Communication in Hospice Care
\$19,000
This project investigates the use of video-mediated communication tools in home hospice and explores their impact on caregivers and hospice providers.
Role: PI
- European Union Center, Faculty Research Grant; Demiris (PI)
5/1/03-10/1/03
e-Health: Examination of Policies in the US and EU
This project included a comparison of legislative efforts in the United States and the European Union in the area of e-health. Specifically, within this project, an analysis and comparison of HIPAA and the European Data Directive were completed.
Role: PI
- MU Research Council; Khatri (PI)
2003

Managing People and Information for Competitive Advantage in Health Care

Amount: \$7,270

Role: Co-Principal Investigator

- MU Research Council; Parker Oliver (PI)
2003
Usability Study of a Telehospice System
Amount: \$3,750
Role: Co-Principal Investigator
- MU Alumni Incentive Grant; Demiris (PI)
2003
A Preliminary Needs-Assessment Study for a Telehospice System.
Amount: \$1,400
Role: Principal Investigator
- European Union Center Faculty Research Grant Demiris (PI)
2003
e-Health: A comparison of trends and policies in the EU and US
Amount: \$2,500
Role: Principal Investigator

Mentoring:

Faculty Advisor for:

- CJ Inman (postdoctoral fellow and MSc student in BHI) (2007-)
- Anna Stolyar (PhD student in BHI) (2007-)
- 9 graduate MSc students in Clinical Informatics and Patient Centered Technologies (CIPCT) at the University of Washington (2006-)
- 30 graduate MSc students in Health Informatics at the University of Missouri (2002-2006)
- pre-doctoral NLM fellow Karen Courtney (2003-2006)
- post-doctoral NLM fellow Steven Waldren (2002-2004)
- librarian NLM fellow Catherine Craven (2005-2006)
- pre-doctoral NLM fellow Sara Stewart (2005-2006)
- post-doctoral NLM fellow Brian Hensel (2005-2006)

MS Thesis Chair for:

- Jessica Loetel: Nurses' acceptance of an electronic medical record (Defense: March 2009)
- Martha Hsueh: Family Members' Perceptions of Physical Restraint Use in the Hospital: A Descriptive Study (Defense: March 2009)

- Arvind Vasan: Evaluation of the Performance of an Electronic Incidence Reporting System: Determining Ease of Use, User Feedback and Root Cause Analysis (Defense: September 2008)
- Hyacinth Sales
- Mardi Labuguen
- Geri Corpuz

Member of the Master's Thesis committee for

- Zheng Cai (Health Management and Informatics, University of Missouri)
- Santosh Vijaykumar (School of Journalism, University of Missouri)

Member of the PhD Dissertation committee for

- Meredith Skeels (PhD student in BHI, University of Washington)
- Karen Courtney (PhD student in Nursing, University of Missouri)
- Michele Day (PhD student in Social Work, University of Missouri)
- Donghua Tao (PhD student in Information Science and Learning Technologies, University of Missouri)