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Full Professor, Harvard University

I am the Timothy E. Wirth Professor of Learning Technologies at Harvard's Graduate School of Education. From 2001-2004, I also served as Chair of the Learning & Teaching department in the School. My research interests span emerging technologies for learning, educational policy, and leadership in educational innovation. My funded research includes a grant from the U.S. Department of Education Star Schools initiative to development and study augmented reality simulations using wireless mobile devices, and three grants from the National Science Foundation to (1) aid middle school students learning science via multi-user virtual environments, (2) develop a research agenda for online teacher professional development, and (3) explore the feasibility of a "scalability index" for assessing the potential transferability of a locally successful educational innovation to a wide range of contexts.

I have served as a member of the National Academy of Sciences Committee on Foundations of Educational and Psychological Assessment, a member of the U.S. Department of Education's Expert Panel on Technology, and an International Steering Committee member for the Second International Technology in Education Study. I co-edited a recently published volume, *Scaling Up Success: Lessons Learned from Technology-based Educational Improvement.*

Professional Experience

2000-present:	Timothy E. Wirth Professor in Learning Technologies, Harvard University
1991-2000:	Full Professor, George Mason University
1996-1997:	Senior Program Director, National Science Foundation (on leave from GMU)
1981-1990:	Full Professor, University of Houston—Clear Lake
1984-1990:	Visiting Scientist, Johnson Space Center, NASA
1984:	Visiting Scientist, Computer Science Lab, MIT (Sabbatical)
1979-80:	Policy Fellow, Office of the Director, National Institute of Education (via the Institute for Educational Leadership)
1974-81:	Associate and Assistant Professor, UH—Clear Lake
1972-74:	Assistant Professor, University of Massachusetts

Education

Ed.D. University of Massachusetts, 1972
science education

B.S. California Institute of Technology, 1969
double major: chemistry and English

Representative Government Activities

National Academy of Sciences

co-chair, Committee on Enhancing Professional Development for Teachers: Potential Uses of Information Technology

member, Committee on Psychological and Educational Foundations of Assessment

presenter, Workshop on the Roles of Information Technology in Improving Teaching and Learning in Undergraduate Science, Mathematics, Engineering, and Technology Education

Keynote, Board on Science Education Workshop on Information and Communications Technology Fluency

National Science Foundation

served for one year (on sabbatical) as Senior Program Director in the National Science Foundation's Directorate of Education and Human Resources. Responsible for initiating and directing $25M funding program, "Research on Education, Policy, and Practice"

member, Committee of Vistors, CAREER program

speaker, NSF/HER/REC Workshop on strategic planning for communication activities

participant, Computer Research Association Cyberlearning Workshop on Modeling, Simulation, and Gaming Technologies Applied to Learning

panelist, NSF Centers for Learning & Teaching Reverse Site Visit 05

U.S. Congress

testified to the Science Committee, U.S. House of Representatives, May, 2001

testified to the Congressional Web-based Education Commission, June, 2000

U.S. Department of Education

Organizer, Workshop on Reinventing High Schools for the 21st Century

Member, Technology Expert Panel

Advisory Board, Designing a National Study of the Effectiveness of Educational Technology

Advisory Board, Ready to Learn Television program

U.S. Department of Defense

Expert Panelist on the comprehensive technology plan for the Department of Defense Education Activities

U.S. Agency for International Development

Expert Panelist on designing and studying applications of educational technology for developing countries

Massachusetts State Government

Testimony, Special Committee on Educational Technology

Representative Corporate Activities

Mitre: Presenter, Interagency Distance Learning Advisory Council

Microsoft: Advisor for the U.S. Partners in Learning Mid-Tier Grant Program

Dell: Speaker at Superintendents Forum

IBM: Consultant on New Models of Management Education;
Invited Talk at IBM Research Center: Education Group

Cap, Gemini, Ernst, & Young: Business Learning Forum "Future of Learning" RAVE

Representative Activities for Professional Associations, Foundations, Non-Profits, Schools

Research Advisor, the Friday Institute for Educational Innovation, North Carolina State University

Advisory Board, George Lucas Education Foundation

Board of Directors, Tech Boston Academy, Boston Public Schools

Co-Chair, National Technology Advisory Board, Milwaukee Public Schools

Education Advisory Board, the Partnership for 21st Century Skills

Advisor, Concord Consortium NSF-funded “Modeling Across the Curriculum” project

Advisor, North Carolina State University NSF-funded “Highly Interactive Fun Internet Virtual Environments in Science” project

Advisor, New Mexico State University ATE Project

Participant, Workshop on Emerging Educational Technologies, National Science Teachers Association

Advisory Board, PBS TeacherLine

Member, Association for Teacher Education Commission on Technology and the Future of Teacher Education

External Examiner for the University of Hong Kong's Program in Information Technology in Education

Policy Workshop Presenter, the Benton Foundation

Lead, State Policy Development Workshops, Council of Chief State School Officers

Member, International Education Association Steering Committee for the Second Information Technology in Education Study

Advisory Board, MSP-Net Project, TERC

Advisory Board, Optimizing Online Professional Development, EDC

Advisory Board, Technology—Education Connections (TEC) Series, Teachers College Press

Funded Research

Current Grants

Dede, C. (PI). *Studying Robust Design Strategies for Developing Innovations Effective and Scalable in Challenging Classroom Settings.* We are studying how to evolve a technology-based intervention for *extreme* scalability — even into contexts in which some of its conditions for success are attenuated or lacking. This three-year project was funded by NSF in September, 2005 for $1.78M.

Dede, C. (PI). *Exploring Sophisticated Data Mining Analytics as a Strategy for Diagnostic Assessment of Rich Student Datastreams.* We are studying the types of insights gained by applying SAS Enterprise Miner application to three types of datasets: intelligent tutoring system, multi-user virtual environment, and game. This one-year project was funded by NSF in September, 2006 for $99,994.

Dede, C. (PI), and Willett, J. *Examining the Feasibility of Developing a "Scalability Index."* We are examining the feasibility of developing a quantitative index that measures the relative scalability of an innovation. This eighteen-month project was funded by NSF in June, 2005 for $141,197.

Squire, K, (PI: University of Wisconsin-Madison), Klopfer, E. (Co-PI: MIT), and Dede, C. (Co-PI: Harvard). Improving Mathematics and Literacy Learning through Augmented Reality Simulation Games on Emerging Mobile Technologies. This three-year project was funded by the U.S. Department of Education Star Schools initiative in October, 2005 for $1.49M.

Prior Funded Grants and Contracts as PI or Co-PI

NSF: to conduct an invitational research conference, develop a research agenda, and publish a book on the evolution of models for online teacher professional development.

Harvard: to study the use of handheld devices in college teaching

J*oyce Foundation:* to study the extent to which guidance and mentoring of Milwaukee Public School (MPS) leaders, by experts at Harvard and EDC using Internet-2 based interactive media across distance, can complement site visits and face-to-face interaction.

NSF (2): to study how shared virtual environments with digitized museum artifacts can aid the science learning of middle school students and can cast insights on situated learning and knowledge transfer

Atlantic Philanthropies: to implement and study virtual communities of practice in Harvard's Teacher Education Programs

Markle Foundation: to develop a business case study of Leapfrog, Inc., a company developing handheld learning devices

NSF: to study the potential of virtual reality for learning complex conceptual material in science

U. S. Department of Education: to develop immersive educational environments that aid learning-disabled secondary students to master science concepts and skills

Joyce Foundation: to aid the Milwaukee and Cleveland Public Schools with their technology planning, integration, and evaluation.

Office of Naval Research: to investigate the potential of virtual environment training for peacekeeping skills

NSF: to educate engineers about designing complex systems

NSF: to fund a series of interrelated presentations at the 1998 National Educational Computing Conference

NSF: to assess the potential of virtual reality for science education

Bell Atlantic Foundation: developing a regional consortium on distance education

NASA: to study the impact of advanced information technologies on knowledge creation, capture, transfer, and utilization.

NASA/Air Force: to design a tool for imaging mental models in virtual cognitive space.

Apple Education Foundation: to study microcomputers as a means for increasing the communications skills of disabled children.

Hogg Foundation: to assess the impact of home computers on family interaction patterns.

Research Presentations (last 5 years)

Keynote, Eschool News Technology Management Conference
Keynote, America Online Foundation Interactive Education Initiatives Conference
Keynote, Saskatchewan Computers in Education Conference
Invited Address, Southern Association of Colleges and Schools Annual Meeting
Invited Panelist, Council of Chief State School Officers Technology Conference
Invited Address, Consortium for School Networking Annual Conference

Keynote, Council on Graduate Departments of Psychology National Conference
Spotlight Speech, Florida Educational Technology Conference
Invited Address, Association for Supervision and Curriculum Development National Conference
Keynote, WebCT 2000 National Conference
Invited Panelist and Moderator, NSF Urban Systemics Superintendants Technology Conference
Spotlight Speaker, NECC 2000
Keynote, NSF Modeling and Visualization in Teacher Education Workshop
Keynote, Independent Schools Association of the Central States Annual Conference
McDowell Lecture, Annual Extension Conference, Penn State University
Spotlight Session, Florida Educational Technology Conference 01
Plenary Talk, Council of Chief State School Officers Technology Conference 01
Featured Talk, Association for Supervision and Curriculum Development National Conference 01
Pre-Conference Workshop, National School Boards Association National Conference 01
Panel Presentations, American Educational Research Association National Conference 01
Spotlight Session, National Educational Computing Conference 01
Keynote, Syllabus Summer Conference 01
Keynote, Texas Association for Supervision and Curriculum Development Conference 01
Panelist, Grantmakers for Education Conference 01
Keynote, NETWorking 2001, Australia
Presenter, Learning and the Brain Conference 01
Keynote and two presentations, MassCUE 01
Workshop, ATEC Regional Educational Technology Center
Workshop, MARTEC Regional Educational Technology Center
Invited Panelist, NC-TET National Summit
Invited Speaker, U. S. Dept. of Education National Planning Meeting for State Technology Leaders
Invited Speaker, Consortium on School Networking National Conference 02
Keynote and Two Featured Presentations, Northwest Council on Computers in Education Conference 02
Keynote, Eschool News Superintendents Leadership Conference 02
Keynote, Symposium on Technology-Assisted Learning, University of Minnesota
Panel Session, Discussant, AERA 02
Keynote, 13th International Conference on Teaching and Learning
Keynote, Kids Who Know and Do Conference 02
Keynote, NCREL National Educational Technology Conference 02
Spotlight Session, Presentation, and Panel, National Educational Computing Conference 02
Keynote, City University of New York Making Technology Work in Our Schools Conference 02
Keynote, Massachusetts Association of School Superintendents Technology and Learning Conference 02
Invited Session, Council of Great City Schools National Conference 02
Presenter, International Conference on the Learning Sciences 02
Keynote, 8th Sloan-C International Conference on Asynchronous Learning Networks
Presenter, AEL NSBA Conference on Technology-based Assessment
Keynote, University of Texas—Arlington Technology Fair 02
Keynote, Kansas Statewide Educational Technology Conference 02
Featured Speech, Association for Teacher Educators National Conference 03
Moderator and Speaker, Consortium for School Networking Third International Symposium 03

Invited Panelist, Harvard Law School Advocates for Education Annual Conference 03
Invited Panelist, Harvard Kennedy School of Public Policy Conference on No Child Left Behind
Paper Session, Discussant Session, Workshop Session, AERA 03
Keynote, 9th National Conference on Information Technology and Distance Education
Invited Address, Policy Issues Forum, Educational Testing Service
Two presentations, National Educational Computing Conference 03
StarNet national videoconference
Keynote, 03 Academic Computing Conference, University of Maryland
Keynote, Boston College Academic Technology Conference 03
Keynote, Georgetown University Academic Technology Summer Institute 03
Keynote, TIES Technology Leadership Camp, Minnesota
Keynote and workshops, Gates Foundation Small High School Initiative Summer Institute 03
NCREL Blue Ribbon Panel Symposium 03
Keynote, WELSTech Conference 03
Presenter, Harvard Graduate School of Education Redesigning American High Schools Institute 03
Presenter, Harvard Graduate School of Education Institute for Educational Management 03
Presenter, ATEC-MARTEC Workshop on State Evaluation
Keynote, First Puerto Rico Inter-American University Conference on Educational Technology
Keynote, Massachusetts Superintendents Technology and Curriculum Leadership Conference 03
Plenary, AAC&U Network for Academic Renewal Technology Conference 03
Invited Speaker, National Commission on Teaching and America's Future Conference on Learning Communities
Invited Panel at Major Forum, AACTE National Conference 04
Invited Panel at Featured Session, ATE National Conference 04
Keynote, Society for Information Technology in Teacher Education, 04
Keynote for Virginia Commonwealth University Emerging Technologies Conference 04
Keynote for Rochester Institute of Technology Learning Technologies Conference 04
Three research papers, three discussant sessions, and an invited SIG panel at AERA 04
Keynote, DePaul University Conference on Learning Technologies, 04
Keynote, 20th Annual Conference on Distance Teaching and Learning
Invited Address and Paper, NSF IERI Principal Investigators Meeting 04
Keynote, Acadia University Conference on Engaging Students through Technology
Keynote, Association for Educational Communications and Technology
Invited Speech, IBM Research Center
Workshop, National Science Teachers Association Regional Conference 04
Featured Speaker, Florida Educational Technology Conference 05
Keynote, PBS/USDoEd Conference on Kids and Digital Media, 05
Keynote, 1st Southeastern Regional Conference on Instructional Design and Technology
Plenary Panel, Consortium on School Networking National Conference, 05
Featured Speaker, National Science Teachers Association National Conference 05
Keynote, Tech Forum Regional Conference Midwest, 05
Three presentations, American Educational Research Association National Conference 05
Keynote, Manitoba Association for Distributed Learning and Training Conference, 05
Invited Address, Designing Learning Environments in the Digital Age, Harvard Design School
Keynote, Innovations in Online Learning Conference, 05
Invited Address, Council of Fellows, American Council on Education
Keynote, emPower Conference, University of North Texas

Invited Speaker, Celt National Education Summit 05
Keynote, Keystone Conference on Videoconferencing
Keynote, National Academy of Science Workshop on Information and Communications Technology Fluency
Luncheon Speaker, National School Boards Association 2005 National Conference on Technology and Learning
Keynote, NJEDge.net 2005 Conference
Panel, AACTE National Conference 06
Keynote, Ohio Statewide Educational Technology Conference 06
Keynote, SUNY Learning Network Summit, 06
Invited Panel, Society for Information Technology in Teacher Education National Conference 06
Keynote, Illinois Statewide Educational Technology Conference 06
Keynote Panel, two Featured Speeches, and Workshop for Superintendents, Florida Educational Technology Conference 06
Keynote, IEEE Virtual Reality Conference 06
American Educational Research Association 06: 3 papers
Keynote, Indiana Higher Education Telecommunications System Conference 06
Keynote, Massachusetts Enhancing Education through Technology Conference 06
Panel, American Association of Museums 06
Invited Speaker, Louisiana State University Conference on Technology in Higher Education 06
Invited Speaker (2 talks), U.S. Department of Education Project Directors Meeting 06
Keynote, Rensselaer Polytechnic Institute Colloquium on Teaching and Learning 06
Keynote, Texas CoSN Chief Technology Officers Conference 06
Keynote, Educause Summer Symposium for Higher Education Executives 06
Keynote, Consortium for School Networking Texas K-12 Chief Technology Officer Clinic 06
Keynote, Building Learning Communities Conference 06
Invited Speech, Harvard Institute for Educational Management 06
Keynote, Synergy Conference 06
Keynote, Campus Technology Conference 06
Invited Case Teaching, State Education Technology Directors Association Education Forum 06
Invited Talk, 13th National Advanced Technology in Education Principal Investigators Meeting 06
Invited Talk, University of Massachusetts Science Technology Education and Mathematics (STEM) Initiative 06
Keynote, Third International Summit of Leadership in Education
Plenary Address, SmartTech Global Education Technology Summit 06

Professional Development Presentations (last five years)

Invited Address, Royal Oak School District, Michigan
Invited Address, Oakland Schools Service Center, Michigan
Invited Speaker, Appalachian State University
Chautauqua Speaker, Southwest Texas State University
Invited Policy Forum Address, Michigan State University
Invited Address, Massachusetts Council of State College Presidents
Invited Speaker, Worcester State College
Invited Speaker, Buffalo State College

Invited Speaker, Spring Branch Independent School District (Texas)
Invited Speaker, Houston Independent School District
Invited Speaker, University of Houston, Clear Lake
Invited Speaker, University of Maryland – University College
Workshop, King County Washington I-Net Consortium
Invited Speaker, Prince William County VA Schools
Invited Speaker, Episcopal High School
Invited Speaker, Ferris State University
Invited Speaker, University of Maryland—University College
Keynote, Pinellas County Florida Educational Technology Conference
Keynote, Pelham-Tuckahoe NY Millennium Conference
Keynote, Inet Conference sponsored by University of Texas—El Paso
Keynote, Southern Regional Education Board Educational Technology Consortium
Invited Speaker, TASC/Litton
Invited Panelist, Texas Computer Education Association
Invited Speaker, Nobel Learning Communities
Presenter, 4th Annual Rappahannock Region Professional Development Conference
Presenter, Technology Leadership Academy, Heartland Regional Service District, Iowa
Presenter, Starnet Professional Development
Keynote, Outreach and Continuing Education, Penn State University
Workshops, Virginia Community College System Presidents
Plenary Panel, Digital Educational Marketplace II Conference
Presenter, Harvard University Institute for Higher Education Alumni Seminar
Demonstration, Center for Innovative Learning Technologies Conference 2000
Keynote, MIT Media in Transition Conference
Keynote, WGBH Educational Foundation Conference
Panel, Project Kaleidoscope Undergraduate SMET Technology Workshop
Invited Presentation, Distance Education Task Force, Wellesley College
Panelist, Digital Educational Marketplace 2001 Conference
Invited Address, University of Wisconsin—Oshkosh
Presenter, Benton Foundation Policy Workshops, Milwaukee and Chicago
Workshop, DIAL Consortium, South Dakota
Workshop, Technology Leadership Institute, Nevada
Presenter, Harvard Institute for Educational Management, Massachusetts
Keynote, Lesley College Faculty Workshop on Learning Technologies
Teleconference Presentation, National Educational Television Association
Invited Speaker, Luncheon Series, MIT Media Lab
Presenter, Distance Learning Workshop, LASPAU Professional Programs for the Americas
Presenter, Videoconference on Technology in Education, University of Texas at El Paso
Speaker, Videoconference on Technology in Education, North Carolina Department of Education
Keynote, University of Illinois Champaign-Urbana Conference on Learning with Technology 02
Demonstration, Museums and the Web Conference 02
Workshops, University of New Mexico School of Education
Faculty Teaching Enrichment Seminar, Dartmouth University
Speaker, MIT Crosstalk Forum
Seminar, Northern Virginia Community College System
Invited Address, Newton, MA Public Schools

Workshop, Southern Westchester BOCES
Invited Address, Park School, Boston, Massachusetts
Strategic Planning Workshop, McREL
Invited Panelist, Educational Technology Leadership Online Annual Conference, EDC
Syfr Corporation Technology Workshop Keynote, 03
Workshop, Westchester NY Bureau of Cooperative Educational Services
Presenter, Minnesota School Technology Leadership Initiative
Invited Speaker, U. Mass. Isenberg School of Management Roundtable on E-Learning
Invited Speaker, University of North Carolina—Chapel Hill School of Education
Workshop for PBS TeacherLine and the Concord Consortium
Keynote Address, 11th Annual Technology Conference, Lower Hudson Regional Information Center
Workshop, SUNY-New Paltz
Keynote, Massachusetts Department of Education Virtual Education Space Meeting 04
Keynote, Massachusetts Gates Foundation Project Conference 04
Videoconference, Southern Educational Service Center, Utah
Workshop, Jason Educational Foundation
Presenter, Harvard University Institute for Educational Management 04
Keynote, SUNY—New Paltz Conference on Educational Technology
Syfr Corporation Workshop Videoconference 04
Keynote, Academic Technology Conference, Lesley University
Invited Address, Harvard Institute for Independent School Leaders, 05
Invited Address, Friday Institute, North Carolina State University
Presenter, Harvard University International Education Workshop 05
Presenter, Harvard University Institute for Educational Management 05
Invited Address, Microsoft U.S. Partners in Learning Mid-Tier Grantees Workshop 05
Keynote and Workshop, Teaching Academy, New Mexico State University
Invited Panelist, Colorado Association of School Executives
Invited Speech (videoconference), Iowa State Department of Education
Invited Speaker, Deloitte and Harvard's Learning Innovations Laboratory Co-Sponsored Workshop on Millennials
New Hampshire State Department of Education Technology Mini-Grants Conference 06
Invited Address, Educause Web Symposium, May 06
Invited Talk, Wireless Generation, Inc.
Invited Address, Massachusetts Association of School Business Officers

Administrative Responsibilities

From July, 2001 to present, Chair of Learning & Teaching Area, Harvard Graduate School of Education.

From November 1996 to October, 1997, Senior Program Director, National Science Foundation

From January, 1993 to September, 1995, Director of Federal Relations & Strategic Alliances, GMU.

From January, 1991 to January, 1994, Director, Center for Interactive Educational Technology, GMU

Initiated and directed graduate programs in science education, futures research, and educational technology at the University of Houston—Clear Lake.

Awards

AERA Outstanding Reviewer, 2003

COSN "Making It Happen" Award, 2003

Chancellor's Award for Outstanding Service, UHCL, 1985

Educational Policy Fellow, Institute for Educational Leadership, 1979

University-wide Outstanding Teaching Award, UHCL, 1975

Danforth Fellow, 1969-72

Named as one of top twelve graduating chemists by the American Chemical Society, 1969

Courses Taught (past 8 yrs)

T-502		Learning Media that Bridge Distance and Time
T-561		Emerging Educational Technologies
T-505		Leadership in Educational Technology Policy
EDIT	611	Distance Learning via Networks and Telecommunications
EDIT	750	Emerging Educational Technologies
EDIT	797	Designing Shared Virtual Environments for Learning
EDIT	895	Leadership Issues in Educational Technology
EDRS	590	Educational Research
EDIT	792	Practicum in Instructional Design

Service (current)

2003-present	Technology Education Connections Advisory Board, Teachers College Press
2001-present	Editorial Review Board, Journal of Technology in Teacher Education
2001-present	Editorial Board, International Journal of Science Education
2000-present	Editorial Board, Educational Researcher
2000-present	International Journal of Educational Technology Advisory Board
2000-present	Journal of Science Education and Technology Advisory Board
1998-present	Review Board, Journal of Learning Sciences
1998-present	Advisory Board, University of Texas Telecampus
1996-present:	Editorial Board, T.H.E. Journal
1988-present:	Contributing Editor, Educational Technology

Memberships

Association for the Advancement of Computing in Education
American Educational Research Association
Association for Supervision and Curriculum Development
Association for Computing Machinery
Association for Educational Communications and Technology
International Society of Learning Sciences

Publications

Edited Volumes

Dede, C., Ed. (2006). Online Professional Development for Teachers: Emerging Models and Methods. Cambridge, MA, Harvard Education Press.

Dede, C., Honan, J., & Peters, L., Eds. (2005). Scaling Up Success: Lessons Learned from Technology-Based Educational Innovation. New York: Jossey-Bass.

Dede, C., Ed. (1998). Learning with Technology (1998 ASCD Yearbook). Alexandria, VA: Association for Supervision and Curriculum Development.

Articles and Book Chapters

Barab, S., and Dede, C. (in press). Games and Immersive Participatory Simulations in Science Education: An Emerging Type of Curricula. *Journal of Science Education and Technology*

Clarke, J., Dede, C., & Dieterle, E. (in press). Emerging Technologies for Collaborative, Mediated, Immersive Learning. In J. Voogt & G. Knezek (Eds.), The International Handbook of Technology in Education. New York: Springer-Verlag

Dede, C. (in press). Technology-based and Distance Learning Strategies. The Condition of Education in Rural Schools. Washington, DC: Center for Rural Education, U. S. Department of Education.

Nelson, B., Ketelhut, D. J., Clarke, J., Dieterle, E., Dede, C., & Erlandson, B. (in press). Robust Design Strategies for Scaling Educational Innovations: The River City MUVE Case Study. In B.E. Shelton & D.A. Wiley, The Educational Design and Use of Computer Simulation Games. Rotterdam, The Netherlands: Sense Press.Computer Simulation Games. Rotterdam, The Netherlands: Sense Press.

Dede, C., Dieterle, E., Clarke, J., Ketelhut, D., & Nelson, B. (in press). Media-based learning styles. In M. Moore (Ed.), Handbook of Distance Education. Erlbaum.

Dieterle, E., Dede, C., & Schrier, K. (in press). "Neomillennial" learning styles propagated by wireless handheld devices. In M. Lytras & A. Naeve (Eds.), Ubiquitous and pervasive knowledge and learning management: Semantics, social networking and new media to their full potential. Hershey, PA: Idea Group, Inc.

Ketelhut, D., Dede, C., Clarke, J., Nelson, B., & Bowman, C. (in press). Studying Situated Learning in a Multi-User Virtual Environment. In E. Baker, J. Dickieson, W. Wulfeck, & H. O'Neil (Eds), Assessment of Problem Solving Using Simulations. Erlbaum.

Dieterle, E., & Dede, C. (2006). Building University Faculty and Student Capacity to use Wireless Handheld Devices for Learning. In M. van't Hooft (Ed.), Ubiquitous Computing: Invisible Technology, Visible Impact, pp. 303-328. Erlbaum.

Spicer, D.E., & Dede, C. (2006). Collaborative Design of Online Professional Development: Building the Milwaukee Professional Support Portal. *Journal of Technology and Teacher Education.* 14, 4, 679-700.

Dede, C. (2006). Introduction. In C. Dede (Ed.), Online Professional Development for Teachers: Emerging Models and Methods, pp 1-11. Cambridge, MA, Harvard Education Press.

Whitehouse, P.L, Breit, L.A., McCloskey, E.M., Ketelhut, D. J., & Dede, C. (2006). An Overview of Current Fundings from Empirical Research on Online Teacher Professional Development. In C. Dede (Ed.), Online Professional Development for Teachers: Emerging Models and Methods, pp 13-30. Cambridge, MA, Harvard Education Press.

Holland, I.E., Dede, C., & Onarheim, K. (2006). Processes Supporting the Regional Evolution of Effective Professional Development: Milwaukee's Initiation of a Professional Support Portal. In C. Dede (Ed.), Online Professional Development for Teachers: Emerging Models and Methods, pp 213-236. Cambridge, MA, Harvard Education Press.

Ketelhut, D.J., McCloskey, E.M., Dede, C., Breit, L.A., & Whitehouse, P.L. (2006). Core Tensions in the Evolution of Online Teacher Professional Development. In C. Dede (Ed.), Online Professional Development for Teachers: Emerging Models and Methods, pp 237-264. Cambridge, MA, Harvard Education Press.

Clarke, J., Dede, C., Ketelhut, D. J., & Nelson, B. (2006) A Design-based Research Strategy to Promote Scalability for Educational Innovations. *Educational Technology* 46, 3 (May-June), 27-36.

Dede, C. (2006). Scaling Up: Evolving Innovations beyond Ideal Settings to Challenging Contexts of Practice. In R.K. Sawyer (Ed.), Cambridge Handbook of the Learning Sciences, pp. 551-566. Cambridge, England: Cambridge University Press.

Ketelhut, D.J., Whitehouse, P., Dede, C., & Brown-L'Bahy, T. (2005). Designing Distributed Learning Experiences: An Overview. In C. Howard, J. Boettcher, L. Justice, K. Schenk, P. L. Rogers, and G. A. Berg (Eds.), Encyclopedia of Distance Learning, pp. 518-524. Hershey, PA: Information Science Publishing.

Dede, C. (2005). Planning for NeoMillennial Learning Styles. *EDUCAUSE Quarterly* 28, 1, 7-12.

Dede, C. (2005). Planning for "Neomillennial" Learning Styles: Implications for Investments in Technology and Faculty. In J. Oblinger and D. Oblinger (Eds.), Educating the Net Generation, pp. 226-247. Boulder, CO: EDUCAUSE Publishers. http://www.educause.edu/educatingthenetgen/

Dede, C., & Nelson, R. (2005). Technology as Proteus: Digital Infrastructures that Empower Scaling Up. In C. Dede, J. Honan, & L. Peters (Eds.), Scaling Up Success: Lessons Learned from Technology-Based Educational Innovation, pp. 110-132. New York: Jossey-Bass.

Dede. C., & Honan, J. (2005). Scaling Up Success: A Synthesis of Themes and Insights. In C. Dede, J. Honan, & L. Peters (Eds.), Scaling Up Success: Lessons Learned from Technology-Based Educational Innovation, pp. 227-239. New York: Jossey-Bass.

Dede, C. (2005). Why design-based research is both important and difficult. *Educational Technology* 45, 1 (January-February), 5-8.

Nelson, B., Ketelhut, D., Clarke, J., Bowman, C., & Dede, C. (2005). Design-Based Research Strategies for Developing a Scientific Inquiry Curriculum in a Multi-User Virtual Environment. *Educational Technology* 45, 1 (January-February), 21-28.

Dede, C. (2005). An Intellectual Journey from Distance Education to Distributed Learning. In G. Kearsley (Ed.), Online Learning: Personal Reflections on the Transformation of Education, pp. 66-72. New Jersey: Educational Technology Press.

Dede, C. (2004). Enabling Distributed Learning Communities via Emerging Technologies. (Part One – September, Part Two, October). *THE Journal* **32**, 2, 12-22 and *THE Journal* **32**, 3, 16-26. http://www.thejournal.com/magazine/vault/A4963.cfm and http://www.thejournal.com/magazine/vault/A5027.cfm. Also published as Dede, C. (2004). Enabling Distributed-Learning Communities via Emerging Technologies. Proceedings of the 2004 Conference of the Society for Information Technology in Teacher Education (SITE), pp. 3-12. Charlottesville, VA: American Association for Computers in Education.

Dede, C., Nelson, B., Ketelhut, D., Clarke, J., & Bowman, C. (2004). Design-Based Research Strategies for Studying Situated Learning in a Multi-User Virtual Environment. Proceedings

of the 2004 International Conference on Learning Sciences, pp. 158-165. Mahweh, NJ: Lawrence Erlbaum.

Dede, C., Brown-L'Bahy, T., Ketelhut, D., & Whitehouse, P. (2004). Distance Learning (Virtual Learning). In H. Bidgoli, Ed., The Internet Encyclopedia, pp. 549-560. New York: Wiley.

Dede, C. (2004). If Design-Based Research is the Answer, What is the Question? *Journal of the Learning Sciences*, 13, 1, 105-114.

Dede, C. (2004). Making Educational Technology Work: State Policies in the North Central Region. *NCREL Policy Issues* Volume 15 (January), 1-11. http://www.ncrel.org/policy/pubs/issues.htm

Applegate, L., Dede, C., & Saltrick. S. (2004). Learning from Leapfrog: Creating Educational and Business Value (9-804-062). Cambridge, MA: Harvard Business School Case Studies.

Buckley, B.C., Gobert, J.D., Kindfield, A.C.H., Horwitz, P., Tinker, R.F., Gerlits, B., Wilensky, U., Dede, C., & Willett, J. (2004). Model-based teaching and learning with BioLogica: What do they learn? How do they learn? How do we know? *Journal of Science Education and Technology* **13**, 1, 23-41.

Dede, C., Nelson, R., & Eddy-Spicer, D. (2003). High Tech Support for New Teacher Retention in Urban Schools. Proceedings of the 2003 National Educational Computing Conference. Eugene, OR: International Society for Technology in Education, 181-193.

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