CHRISTOPHER J. DEDE
Graduate School of Education
Longfellow Hall
323Harvard University
Cambridge, MA 02138
Chris_Dede@Harvard.edu
http://isites.harvard.edu/ chris_dede
(617) 495-3839

Full Professor, Harvard University

I am the Timothy E. Wirth Professor in 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 grants from the National Science Foundation to design and study virtual worlds and augmented realities for learning, transformed social interactions, and online professional development. 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, an International Steering Committee member for the Second International Technology in Education Study, and a member of the 2010 National Educational Technology Plan Technical Working Group. I co-edited three recently published volumes: *Scaling Up Success: Lessons Learned from Technology-based Educational Improvement*, and *Online Professional Development for Teachers: Emerging Models and Methods*, and *Digital Teaching Platforms: Customizing Classroom Learning for Each Student.* In 2007, I was honored by Harvard University as an outstanding teacher, and in 2011 I was named a Fellow of the American Educational Research Association.

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

invited Paper and Talk, Workshop on Games and Simulations in Science Education

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

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

Invited presentation on postsecondary learning workshop, NSF

Co-Convener of NSF workshop on New, Technology-based Models of Higher Education

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

participant, NSF Cyberlearning Workshop

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

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

invited poster session, National Workshop on K-12 STEM Education (sponsored by NSF/NSA)

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

Chair, Committee of Visitors, ISE program

Invited talks to NSF program officers on scalability of educational innovations and on the relationship of 21st century skills initiatives to STEM

Invited plenary talks to NSF ITEST Principal Investigators Meeting 09

Board of Advisors, CADRE DRK-12 Technical Support Project

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

Technical Working Group, Evidence of Effectiveness Initiative

Briefing on Educational Technology, Secretary Duncan's Leadership Team

Technical Working Group, National Education Technology Plan 2009

Invited Panelist, US. Dept of Education Policy Briefing on Technology

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

Invited Keynote, Educational Simulations and Serious Games Symposium, Defense Intelligence Analysis Center

U.S. Agency for International Development

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

Massachusetts State Government

Member, Task Force on 21st Century Skills

Testimony, Special Committee on Educational Technology

Representative Corporate Activities

Wireless Generation: Consulting

The Capital Group: Invited briefing

Intel: External Research Advisory Committee

Qualcomm: Co-Chair Wireless EdTech Conference 2010, 2011; consultant

ETS: Standing Committee, NAEP Technology and Engineering Literacy Assessment

Lenovo: Advisory Board, Education Research Initiative

Sony: Invited presentation to Executive Advisory Board

Pearson: workshop on instructional design

Laureate: presenter, consultant

aal: Keynote, Users Conference

Mitre: Presenter, Interagency Distance Learning Advisory Council

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

Convener, Meeting on Student Privacy Issues related to Cloud Databases

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

Faculty Expert, Aspen Institute workshop on educational technology for Congressional staff

Advisor, Hewlett Packard Catalyst Projects

Invited Expert, Gates Foundation Workshop on Student Engagement and Non-Cognitive Skills Development

Advisory Board, Miami Science Museum NSF-funded projects

Research Advisor, Synergy ATE Project, University of Massachusetts—Boston

Invited Talk, Gates Foundation

Advisor, Hewlett Foundation

Research Advisor, ADA and UNED, Costa Rica

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

Advisory Board, George Lucas Education Foundation

Juror, Brock International Prize in Education

Member, National Science Teachers Association e-Learning Panel

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

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

Grotzer, T. (PI), and Dede, C. (Co-PI). *EcoXPT: Affordances for Experimentation in an Immersive World to Support Learning of Ecosystems Science and Complex Causality* Building on a curriculum that fosters observational inquiry in virtual ecosystems, this research centers on adding experiment-based inquiry as practiced in the ecosystems science field, through iterative cycles of experimentation, reflection, and revision that enable new dimensions of student learning and engagement. This three year project was funded by NSF in September, 2014 for $2.9M

Gehlbach, H. (PI), and Dede, C., Bailenson, J, Koltun, V. (Co-PIs). *Enhancing Immersive Social Perspective Taking and Perceived Virtual Similarity to Enable Intelligent Social Relationships.* This research will study the extent to which relationships between learners can be improved through transformed social interactions – an approach in which participants are endowed with capabilities for navigating their social world that humans do not normally possess. This four-year project was funded by NSF in September, 2010 for $732,000.

Dede, C. (PI), and Grotzer, T (Co-PI). *EcoMobile: Blended real and virtual immersive experiences for learning complex causality and ecosystems science.* We are developing and studying a set of learning experiences using mobile broadband devices (MBDs) to access virtual information and simulated experiences while immersed in real world ecosystems; students will collect and share data using probeware, cameras, and microphones; access on-demand, on-site information about ecosystem components; and visit geo-referenced locations to directly observe critical components of the ecosystem and to experience virtual simulations related to underlying causality. This four year project was funded by the National Science Foundation in September, 2011 for $2.5M.

Eisenkraft, A. (PI), and Dede, C., Fishman, B., and Jurist, A. (Co-PIs). *Supporting Large Scale Change in Science Education: Understanding Professional Development and Adoption Variation Related to the Revised Advanced Placement Curriculum (PD-RAP).* We are studying how various forms of face-to-face and online professional development for the revised Advanced Placement Curricula correlate with student outcomes, and what strategies are needed to deliver these forms of professional development at scale. This four-year project was funded by NSF in September, 2012 for $3M.

Prior Funded Grants and Contracts as PI or Co-PI

National Science Foundation. Across a developmental span, to study the relationship between specific technology-based motivational activities (including a multi-user virtual environment) and student interest in STEM careers.

Institute of Education Sciences, U.S. Department of Education and Gates Foundation: to develop and study virtual performance assessments based on National Science Education Standards in middle school science.

Institute of Education Sciences, U.S. Department of Education: to develop a Multi-User Virtual Environment (MUVE)-based ecosystems science curriculum to determine how this may aid students in learning sophisticated science content and complex processes of causality.

Qualcomm: to study whether students using the EcoMUVE curriculum make further, complementary gains in motivation and learning by also using powerful mobile wireless devices to explore real ecosystems augmented with digital information and experiences

US Dept of Education: to develop and study augmented realities that help middle school students learn math and literacy by infusing virtual experiences into real world settings.

NSF: how to evolve a technology-based intervention for scalability — even into contexts in which some of its conditions for success are attenuated or lacking.

NSF: to study the types of insights gained by applying data mining and visualization approaches to three types of event-log datasets: intelligent tutoring system, multi-user virtual environments, and games

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 sociosemantic networks for academic social tagging

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

NSF: to examine the feasibility of developing a quantitative index that measures the relative scalability of an innovation.

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 grants): 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 9 years)

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
Helen DeVitt Jones Lecturer, Texas Tech University 06
Invited Address, Council of Graduate Schools National Conference 06
Keynote, Florida Educational Technology Conference 07
Keynote, EDUCAUSE ELI Conference 07
Keynote, University of Missouri Statewide Library Conference
Keynote Panel, Symposium Panel, and Spotlight Talk, Consortium for School Networking Conference 07
Keynote, Eighteenth International Conference on College Teaching and Learning
Two symposium presentations, two paper presentations, a SIG keynote, and two discussant sessions at AERA 07
Keynote, National University Telecommunications Network conference 07
Keynote, ISTE-ETLO-SREB Online Learning Institute 07
Spotlight Session and two Presentations, NECC 07
Plenary Symposium and two Papers, CSCL 07
Keynote, Learning Strategies Conference 07
Plenary Panel, Campus Technology 2007
Keynote and workshop, 2007 Conference on Distance Teaching and Learning
Keynote, Columbian Ministry of Education Conference on Online Teaching
Keynote, Educational Simulations and Serious Games Symposium, Defense Intelligence Analysis Center
Keynote, 2007 MODSIM World Conference
Plenary Panel, U.S. Chamber of Commerce Institute for a Competitive WorkForce 2007 Summit
Panelist, NSF Advanced Technologies in Education Principal Investigators Conference 2007
Invited Plenary, Educause 2007
Panel, State Education Technology Directors Association Forum 2007
Sarah Fine Institute Lectures, University of Pittsburgh, 2007
Keynote, League for Innovation in Community Colleges 2007
Keynote and workshop, International Conference on Educational Technology 2007, Singapore
Invited Spotlight Speaker, TIES 2007
Two Spotlight Sessions, Florida Educational Technology Conference 08
Two Plenary Panels, Consortium for School Networking 08
Invited Address, Three Papers, and Two Discussant Roles at American Educational Research Association National Conference 08
Keynote, Middle Tennessee State University Instructional Technology Conference 08
Keynote, Synergy Thought Leaders Conference 08
Keynote, University of Massachusetts System Instructional Technology Conference 08
Three Spotlight Sessions and Two Panels, NECC 08
Keynote and two workshops, Synergy Full Conference 08
Two Spotlight Sessions, Innovative Learning Conference 08
Presentation, AECT 08
Panelist, State Educational Technology Directors Association 08
Two panels, National Conference on Technology Innovation 08

Two spotlight sessions, Florida Educational Technology Conference 09
Invited Colloquium, Lehigh University
Keynote and Plenary Talk, NSF ITEST PIs Meeting 09
Panelist, Advanced Leadership Initiative, Harvard University
Two invited speeches, Consortium for School Networking national conference 09
4 presentations, 2 session chair, 2 session discussant, American Educational Research Association 09
Presentation, Media in Transition Conference 09
Keynote, Northeastern University Faculty Technology Conference 09
Plenary Panel, Innovate-Educate New Mexico 09
Invited Panelist, US. Dept of Education Policy Briefing on Technology
Invited Panelist, American Enterprise Institute Symposium on Philadelphia's School of the Future
Keynote, ISTE/BECTA/Kennessit EDUsummIT
Two Spotlight sessions, one research paper, National Educational Computing Conference 09
Presenter, Harvard Institute for Educational Management, 2009
Keynote, Campus Technology Conference, 2009
Invited Panelist, DoD Worldwide Military Education Symposium 09
Keynote, National Conference on Online Teacher Professional Development, Costa Rica
Keynote, Education Week Technology Conference New Jersey
Invited Talk, National Research Council Workshop on Games and Simulations in Science Education
Keynote and invited talks, EDGE Conference 09, Memorial University of Newfoundland
Keynote, BECTA research conference 2009, Bristol England
Keynote, Ubiquitous Learning 09
Invited Address, Redefining Teacher Education for Digital Learners Summit
Invited Panel, New England Association of Schools and Colleges
Invited Panel, HigherEdTech Conference 10
Keynote, Loyola University Technology in Education Conference
Two Spotlight Sessions, Florida Educational Technology Conference 10
Keynote, Scholastic Summit on 21st Century Skills
Keynote, National Association of State School Boards Conference on 21st Century Skills
Invited Panelist, National Association for Research in Science Teaching Conference 2010
Plenary Speech and Invited Symposium, Society for Information Technology in Teacher Education Conference 2010
Keynote, Peterson Symposium 2010, International Baccalaureate Program
Four presentations and four discussant sessions, AERA 2010
Invited Talk, Pittsburgh Science of Learning Center
Keynote, Lenovo Thinktank 2010
Plenary Speech, Maine Big Ideas 1-1 Summit
Keynote, Synergy Conference San Francisco
Three presentations (one spotlight, one panel, one invited address) at ISTE 2010
Keynote at the EDC Online Learning Institute 2010
Visiting Scholar (Virtual), University of Phoenix
Speaker, Leadership: An Evolving Vision Institute, Harvard
Keynote, Emerging Technologies in Nursing Education Conference

Invited Talk, Ecosystems Society of America
Invited Talk, HGSE Institute for Educational Management
Invited Talk, HGSE Leadership Institute for Academic Librarians
Invited Talk, HGSE Future of Learning Institute
Invited Talk, Research Symposium in Learning Technologies for Spanish and Latin-American Academics, Harvard University
Keynote, New Hampshire Association of Special Education Administrators August Academy
Plenary Panel, New England Board of Higher Education Conference 2010
Virtual Keynote, United Kingdom VITAL Initiative
Keynote, SolutionTree 21st Century Learning Summit
Plenary Panel, Ecosystems Education Summit
Invited Address, Drexel University
Co-Host and Keynote, 2010 Wireless EdTech Conference
Invited Talk, North Carolina E-Learning Board
Keynote, Great Lakes 1-1 Conference
Panel Discussant, Association for Public Policy Analysis and Management
Presenter, Invitational Workshop on Research in Diagnostic Assessment, North Carolina State University
Spotlight Session and Invited Panel, Florida Educational Technology Conference 2011
Invited Talks, Conference on Cyberlearning Tools for STEM Education
Two presentations, National Science Teachers Association 2011
Two presentations, Consortium for School Networking 2011
Invited Panelist, Public Sector Leaders Forum for Latin America 2011
Four papers and one panel, AERA 2011
Keynote, Association of Independent Maryland and DC Schools
Keynote, Vermont Superintendents Conference 2011
Policy Briefing, Rennie and PACE Centers, Washington DC
Keynote, 7th Annual Innovations in eLearning Conference, George Mason University
Invited Speech, Roundtable Session, Model Lesson, and Two Panels, International Society for Technology in Education National Conference 2011
Invited Address, Institute on Leadership—An Evolving Vision, Harvard Graduate School of Education
Keynote, ERDI Innovation Conference 2011
Invited Address, Institute for Educational Management, Harvard Graduate School of Education
Invited Address, Leadership Institute for Academic Librarians, Harvard Graduate School of Education
Keynote, Leading Innovation Conference, North Carolina State University
Invited Panelist, International Mobiles for Education for Development Symposium, USAID
Panel Presentation, Society for Research on Effective Education Fall 2011
Keynote, International Society for Design and Development in Education
Keynote, EC-TEL 2011 (Palermo, Italy)
Invited Address, Workshop on Information and Communications Technology and Public Policy, Harvard's Kennedy School of Government
Mary Blum Cohn Annual Lecture, University of New Hampshire
Webinar on Models for Scale, Hewlett Packard Catalyst Grants Advisory Board
Invited Talk, WestEd Board

Invited Talk, Association for Educational Communications and Technology 2011 national conference
Keynote, online 2011 Global Education conference
Invited Speech, 2011 Learning and the Brain conference, Boston, MA
Invited Speech, Brookings Institution, Washington DC
Featured Speech and Panel, TIES 2011, Minneapolis MN
Invited Panelist, Gates/MIT conference on Quality in Online Learning
Keynote, Association of Teacher Educators
Keynote, Educause Learning Initiative
Keynote 2012 EdTech Teacher Winter Conference
A plenary panel, an invited panel, and two regular panels at the Consortium for School Networking 2012 Conference
Keynote, 2012 Virtual Worlds Best Practices in Education conference (in Second Life)
Keynote, Virginia Community College System New Horizons Conference 2012
American Educational Research Association Conference 2012 three papers, one poster, four discussant roles
Keynote, Tech Forum Boston 12
Keynote, Johns Hopkins University Technology, Cognition, and Learning Summit 2012
Invited Talk, Invitational Research Symposium on Technology Enhanced Assessments, ETS
Keynote, Learning First Leadership Council
Invited Talk, Educational Testing Service
Invited Plenary, NSF DRK-12 Principal Investigator Conference 2012
Keynote, Immersive Education Conference 2012
One paper, one panel, and one invited talk, International Society for Computers in Education Conference 2012
Keynote, EDC/SREB/ISTE Online Learning Institute 2012
Invited Talk, Leadership—An Evolving Vision Institute 2012
Invited Talk, Institute for Educational Management 2012
Invited Talk, Future of Learning Institute 2012
Invited Talk, Leadership Institute for Academic Librarians 2012
Invited Talk, Defense Intelligence Agency
Panel and Poster, USAID m-Education conference 2012
Faculty, Aspen Institute Conference on Educational Technology
Invited Talk, George W. Bush Foundation Conference on School Productivity
Keynote (via videoconference), European Learning Industry Group
Invited Talk, Educause Learning Initiative Online Fall Focus Session 2012
Plenary Workshop, CoSN Teaming for Transformation Symposium, Mooresville, NC
E. Bruce Street Lecture on mobile learning, University of North Texas
Invited Speaker, NSF Math Science Partnerships PI Meeting 2013
Invited Speaker, SXSW 2013
Invited Talk on New Technology-based Models for Postsecondary Learning, NSF
Chair of Symposium and two Discussant Roles, AERA 2013
Invited Speech, North Carolina Nature Research Museum
Invited Speech, 2013 Learning Analytics Summer Institute – Boston
Invited Talk, Institute for Educational Management 2013
Invited Talk, EDUCAUSE Workshop on Breakthrough Models 2013

Invited Talk, EDCAUSE Sprint on New Models for Postsecondary Learning 2013
Invited Talk, Leadership Institute for Academic Librarians 2013
Invited Plenary, Future of Learning Institute 2013
Working Group Leader, EDUsummIT Conference 2013
Invited Panelist, Educational Testing Service Symposium on Science Assessment
Invited Panelist, Brookings Institution Mobile Learning Symposium
Three plenary speeches and two panels, Wireless EdTech Conference 2013
Keynote, Ontario, Canada 21st Century Skills Symposium 2013
Keynote, Illinois Conference on Scaling Up Student Success
Invited Speaker, Transatlantic Science Conference 2013
Keynote, Colleges of the Fenway Teaching/Learning Symposium 2013
Invited Panelist, City of Hong Kong Educational Transformation Conference
Invited Speech, Columbia University
Invited Speaker, 2014 Technology Enabled Personalized Learning Summit
Keynote, 2014 LearnLaunch Conference
Keynote, 2014 ACM Learning@Scale conference
Two Panels, SXSW 2014
Two Panels, Consortium for School Networking 2014
Discussant, Pearson Digital Oceans report, National Press Club
Five presentation and discussant roles, AERA 2014
Invited talk, Learning Environments for Tomorrow Institute, Harvard
Invited talk, HarvardX
Invited panelist, Global STEM Education conference 2014
Invited panelist, Smithsonian Digital Directions webinar
Invited Talk, Grantmakers for Education
Plenary Speaker, EdVis 2014
Keynote, Shanghai Open University Ubiquitous Learning Conference
Speaker, IAP Research Symposium for Spanish and Latin American Academics
Two poster sessions, International Conference on the Learning Sciences 2014
Invited Talk on Cyberlearning, National Science Foundation
Invited Panelist, Learning Analytics Summer Institute 2014
Speaker, Leadership—An Evolving Vision Institute, Harvard University 2014
Workshop presentation, EDUCAUSE Breakthrough Models Institute 2014
Speaker, Institute for Educational Management, Harvard University 2014
Keynote, SACSCOC Institute on Quality Enhancement and Accreditation 2014

Professional Development Presentations (last 9 years)

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
Invited Address, Educause Web Symposium, November 06
Workshop, Association of Delaware Valley Independent Schools
Invited Talk and Workshops, Indiana State University
Invited Talk at Forum, Boston Museum of Science
Invited Address and Workshops, St. Louis University
Keynote, Conference on Children and Gaming, Southern New Hampshire University
Invited Talks, Arizona State University
Keynote, Leadership Conference, TetraData Corporation
Invited "BrainGain" Address, Harvard Business School
Connecticut Cooperative Educational Services Distinguished Leadership Lecturer
Keynote, Coppin State 3rd Annual Conference on Information Technology in Teaching and Learning
Workshop, National Institute for Staff and Organizational Development (NISOD)
Keynote, 21st Century Learning Communities Conference, University of Louisville
Invited Presentation, U.S. State Department sponsored visit of representatives from Indonesia Ministry of Education
Invited Talk, Association of American Publishers
Workshop, NY BOCES Technology Leadership Institute 07
Invited Speech, Princeton University
Workshops, Springside School, Philadelphia
Keynote, E-Learning for Educators 07
Author's Lunch and Invited Talk, Massachusetts Association for Supervision and Curriculum Development
Workshop, Association of Independent Schools of New England
Keynote, Community College of Allegheny County Professional Development Day
Keynote, Detroit Digital Learning Initiative Community Conference
Workshop, Needham, MA Public Schools
Keynote, aal Users Conference
Invited Talk, CLIR Symposium on Scholarly Methods in the Humanities, Brown University
Keynote, Maine IL Public Schools
Invited Talk, Leadership Initiative in Science Education, Chemical Heritage Foundation
Invited Talk, Bishops School, San Diego
Keynote, Instructional Technology Conference 08, Clark County NV Schools
Keynote, NY OCMBOCES Annual Conference 08
Keynote, 6th Faculty of the Future Conference, Bucks County Community College
Invited Presentation, University of Massachusetts—Amherst Marathon
Speaker, Institute for Educational Management and Leadership: An Evolving Vision Summer Institutes at HGSE 08
Panelist, Campus Technology Executive Leadership Institute 08

Keynote, ABEL Conference, York University, Toronto
Plenary Speaker, 1:1 Leadership Conference, North Carolina State University
Keynote, Manchester Community College
Presentation, Boston Public Schools Leadership Development Council
Workshops, University of Oklahoma
Workshop, Montgomery County Intermediate Unit, PA
Invited Talks, Framingham State University 08 and 09
Invited Talk, Kaput Center for Research and Innovation in Mathematics Education, UMass Dartmouth
Keynote, LITRE Conference, North Carolina State University
Keynote for Workshop on Mobile Devices in Research and Teaching, Harvard Libraries
Workshop, Bethlehem PA Schools
Invited Talk, Derek Bok Center for Teaching and Learning, Harvard University
Invited Talk, North Carolina New Schools Project Leadership Conference 09
Invited Presentation, Chilean University Team, LASPAU
Workshop, Needham Public Schools
Invited Address, Harvard Provost's Technology Conference 09
Webinar, Classroom 2.0 Future of Education series
Keynote, Nevada Association of School Administrators
Turning Technologies Gaming Workshop, Orlando, Florida
Keynote, Faculty Technology Conference, Austin Peay University
Invited Videoconference to CESAs #1 and #6, Wisconsin
Invited Webinar, Discovery Educational Network
Invited Talk, Superintendents' Roundtable, Harvard
Invited Talk, Leadership Institute for Superintendents, Harvard
Invited Talk, Universidad Diego Portales, LASPAU-Harvard
NSF ITEST Program Webinar and Panel on Scaling Up
Invited Speech, Ubiquitous Learning Institute, University of Illinois Champaign-Urbana
Invited Speech, Lexington Public Schools
Invited Speech, University of Baltimore
Invited Speech, Excelsior College
Workshop, The Education TEC Cooperative
Keynote, University of Alabama System Scholars Conference
Keynote, New Hampshire Summit on Redefining Educator Development
Workshop, Chappaqua Public Schools, New York
Talk, Discovery Educational Network 2010
Invited Talk, Punahoe Independent School, Hawaii
Plenary Panel, Sylvan Learning Conference 2010
Talk, Houghton Mifflin Workshop
Workshop, Bethune-Cookman University
Invited Speech, USNY Technology Policy and Practices Council
Keynote, Verizon Foundation Principal Investigators Meeting
Invited Talk, Gates Foundation
Invited Talk, Shriver Center, University of Massachusetts
Workshop, Northern Westchester BOCES
Invited Talk, Center for Innovative Teaching and Learning, George Washington University

Panelist, Many Voices One Goal Conference, Raleigh NC
Invited Talk, Tufts University STEM Series
Invited Webinar on Mobile Learning, USAID
Workshop, Region 10 Educational Service Center, Dallas, Texas
Panelist , Critical Issues and Strategies for Leaders of Modern Universities in Brazil, LASPAU
Keynote, Faculty Technology Day, Suffolk University
Webinar, U.S. Dept. of Education Office of Special Education
Keynote, CITE Conference 2011, Chesterfield VA Public Schools
Two Webinars on immersive learning for EdWeb
Webinar, Intel External Research Partners
Opening Address, Princeton NJ Regional Schools
Invited Talk, EDCO Policy Forum
Invited Talk, Raise Your Hand Texas 2012
Panelist, Harvard Business School 2012 Social Enterprise Conference
Plenary Speech, Scholastic Conference on Cognitive Science, Technology, and Teaching
Workshop, Special Education Directors, Wested
Keynote, Southern Alberta Institute of Technology Faculty Showcase
Workshop, International Academic Program Research Symposium (Chile, Spain, Mexico)
Invited Speaker, NAEP Governing Board Event on 2009 Science Outcomes
Invited Speaker, Webinar, Connected Teaching Event 2012
Invited Talk (in Second Life), International Society for Technology in Education SIG-Virtual Environments
Workshops and Talks, The Bishops School (La Jolla, California)
Invited Talk, Howard Hughes Medical Institute Education Group, MIT
Webinar on Scaling Up Success, CoSN-MacArthur Participatory Learning Initiative
Invited Speaker, Cambridge, MA STEM Inclusion Roundtable
Workshop, Southern Westchester BOCES
Keynote, Faculty Development Workshop, University of New Haven
Keynote, Lexia Learning conference on personalization
Workshop, Massachusetts Association of School Business Officers
Invited Talk (virtual), Cooperative Educational Service Center #1, Wisconsin

Administrative Responsibilities

From July, 2001 to June, 2004, 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 Noted by *Tech and Learning* journal in 2013 as one of the most "influential people affecting the advancement of technology in education"

2012 Award from Association of Teacher Educators for "outstanding leadership and dedication to the education profession."

2012 International Conference on Interpersonal Relationships in Education Best Poster Award

2012 National Environmental Education Week Green STEM Innovators Award

2011 Association for Educational Communications and Technology Distinguished Development Award

2011 Association for Educational Communications and Technology Immersive Learning Award, Interactive Category

Outstanding Paper Award, Ed-Media 2011 (authors Code, Clarke-Midura, Zap, & Dede)

2011 Fellow of the American Educational Research Association

Special Achievement Award, Society for Information Technology in Teacher Education, 2010

Certificate of Special Recognition, Consortium for School Networking, 2009

The Friday Medal, North Carolina State University, 2009

Honored by Harvard University as an Outstanding Teacher, 2007

National Service Award, National University Telecommunications Network, 2007

AERA Outstanding Reviewer, 2003, 2008

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 (past 20 yrs)

T-545		Motivation and Learning: Technologies that Invite and Immerse
T-561		Transforming Education via Emerging Technologies
S-475		Practicum in Design-based Research
T-505		Leadership in Educational Technology Policy
T-502		Learning Media that Bridge Distance and Time
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	2013-present	MITx Press Editorial Board
(current)	2010-present	ETR&D Research Consulting Editor
	2009-present	Editorial Board, Educational Researcher
	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	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
	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 Educational Communications and Technology
Consortium for School Networking
International Society of Learning Sciences
International Society for Technology in Education

Publications

Edited Volumes

Dede, C., & Richards, J. (Eds.). (2012). Digital teaching platforms: Customizing classroom learning for each student. New York: Teacher's College Press.

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 Improvement. 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

Fishman, B., & Dede, C. (in press). Teaching and technology: New tools for new times. In D. Gitomer & C. Bell (Eds.), Handbook of Research on Teaching, 5th Edition *(American Educational Research Association).* New York, NY: Springer.

Kamarainen, A., Metcalf, S., Grotzer, T., & Dede, C. (in review). Exploring ecosystems from the inside: How immersion in a multi-user virtual environment supports epistemologically grounded modeling practices in ecosystem science instruction. *Journal of Science Education and Technology*

Kafai, Y.B., & Dede, C. (in press). Learning in virtual worlds. In K. Sawyer (Ed.), Cambridge Handbook of the Learning Sciences, Second Edition. New York, NY: Cambridge University Press.

Sabelli, N., & Dede, C. (2013). Empowering design-based implementation research: The need for infrastructure. In B. J. Fishman, W.R. Penuel, A-R Allen, & B.H. Cheng (Eds.), Design-based implementation research: Theories, methods, and exemplars (National Society for the Study of Education, Volume 112, Issue 2), pp. 464-480. NY, NY: Teachers College, Columbia.

Dede. C. (2013). Commentary one: Open education – disrupting the classroom. In L. Squires and A. Meisner, Advances in Digital Education and Lifelong Learning: Volume 1, pp. 173-185. London, England: Emerald Press.

Metcalf, S., Kamarainen, A., Grotzer, T., & Dede, C. (2013). Teacher perceptions of the practicality and effectiveness of immersive ecological simulations as classroom curricula. *International Journal of Virtual and Personal Learning Environments*, 4(3), 66-77,

Code, J., Clarke-Midura, J., Zap, N., & Dede, C. (2013). The utility of using immersive virtual environments for the assessment of science inquiry learning. *Journal of Interactive Learning Research*, 24(4), 371-396

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Voogt, J., Erstad, O., Dede, C., and Mishra, P. (2013). Challenges to learning and schooling in the digital networked world of the 21st century. *Journal of Computer Assisted Learning*, 29(5), 403-413.

Dunleavy, M., and Dede, C. (2013). Augmented reality teaching and learning. In J.M. Spector, M.D Merrill, J. Elen, & M.J. Bishop (Eds.), The Handbook of Research on Educational Communications and Technology (4th ed.), pp. 735-745. New York: Springer.

Dede, C., Grotzer, T., Kamarainen, A., Metcalf, S., & Tutwiler, M.S. (2013). EcoMobile: Blending virtual and augmented realities for learning ecosystems science and complex causality. *Journal of Immersive Education 1(1)* http://jied.org/1/1/2/

Dawley, L., & Dede, C. (2013). Situated learning in virtual worlds and immersive simulations. In J.M. Spector, M.D Merrill, J. Elen, & M.J. Bishop (Eds.), The Handbook of Research on Educational Communications and Technology (4th ed.), pp. 723-734. New York: Springer.

Dede, C. (2013) Opportunities and Challenges in Embedding Diagnostic Assessments into Immersive Interfaces. *Educational Designer*, 2(6), 1-22. Retrieved from: http://www.educationaldesigner.org/ed/volume2/issue6/article21/

Working Group on Postsecondary Learning. (2013). *New technology-based models for postsecondary learning: Conceptual frameworks and research agendas*. Washington, DC: Computing Research Association. http://cra.org/resources/research-issues/

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Dede. C. (2013). Reaching scale beyond a school-level innovation. *School Administrator*, 70(4), 33-37.

Kamarainen, A.M., Metcalf, S., Grotzer, T., Browne, A., Mazzuca, D., Tutwiler, M.S., & Dede, C. (2013) EcoMOBILE: Integrating augmented reality and probeware with environmental

education field trips, *Computers & Education*, Available online 14 March 2013, ISSN 0360-1315, 10.1016/j.compedu.2013.02.018.

Chen, J., Zap, N., & Dede. C. (2012). Using Virtual Environments to Motivate Students to Pursue STEM Careers: An Expectancy-Value Model. In S. D'Agustino (Ed.), Immersive Environments, Augmented Realities and Virtual Worlds: Assessing Future Trends in Education, pp. 42-56. Hershey, PA: IGI Press.

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Richards, J., & Dede, C. (2012) Introduction: Opportunities and Challenges of Digital Teaching Platforms. In C. Dede & J. Richards (Eds.), Digital teaching platforms: Customizing classroom learning for each student pp. 1-6. New York: Teacher's College Press.

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Development. In C. Dede (Ed.), Online Professional Development for Teachers: Emerging Models and Methods, pp 13-30. Cambridge, MA, Harvard Education Press.

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