

# ISA KAFTAL ZIMMERMAN

IKZ Advisors, LLC

STEM Education and Leadership

*Science, Technology, Engineering, Mathematics*

Boston, MA

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## **EDUCATION**

**Harvard University**, Cambridge, MA, M.A.T. 1963, Ed. D. 1971

**Cornell University**, Ithaca, NY, B.A. 1960 Major: English; Minor: History

## **WORK HISTORY**

**Principal**, IKZ Advisors LLC, STEM Education and Leadership, March 2009 to present

**LEAD CONSULTANT**, Wheelock College, Aspire Institute, "Preparing PreSchool and K-3 Teachers for STEM" March 2009 to March 2010

**SENIOR FELLOW**, PK-16 STEM Initiative, University of Massachusetts President's Office and Donahue Institute, July 2006 to March 2009, **DIRECTOR CITI K-12 (Commonwealth Information Technology Initiative)** July 2006 to June 30, 2007

**DIVISION DIRECTOR**, Lesley University, Cambridge, MA  
Technology in Education, Associate Professor, July 2000 to June 2006,  
**DIRECTOR OF PROFESSIONAL EDUCATION**, July 2005 to June 2006, School of Education

**SUPERINTENDENT OF SCHOOLS**, July 1993 to June 2000, Acton Public Schools, Acton-Boxborough Regional School District, MA; July 1989 to June 1993, Easton Public Schools, Easton, MA

**INTERIM SUPERINTENDENT**, June 1987 to June 1988, **ASSOCIATE SUPERINTENDENT**, July 1988 to June 1989, **ASSISTANT SUPERINTENDENT**, August 1982 to June 1987, Lexington Public Schools, Lexington, MA

**PRINCIPAL**, July 1974 to August 1982, Hamilton-Wenham Regional High School, So. Hamilton, MA

**ADJUNCT FACULTY**, Spring 1979 to Summer 1982, Lesley University Graduate School of Education, Cambridge, MA

**ASSISTANT PRINCIPAL**, May 1971 to June 1974, Reading Memorial High School, Reading, MA

## ISA KAFTAL ZIMMERMAN

**TEACHER OF ENGLISH, SOCIAL STUDIES, DIRECTOR OF RESEARCH IN CURRICULUM**, 1963 to 1967; 1968 to 1970, Meadowbrook Junior High School, Newton, MA

**EDITOR AND WRITER**, Housewares Review, trade publication, New York, NY 1961 to 1962

### **WRITING/PUBLICATION/MEDIA IN EDUCATION**

ED. D. THESIS, Harvard Graduate School of Education: **Bright Meadows: A Study of Teachers' Attitudes and Feelings in an Unorthodox School**, 1971.

**Differentiated Staffing**, A Profile for EDCO, 1972.

**The School Administrator as Change Agent**: One View From The Bridge. Project for the Reading Public Schools at Boston University, 1974.

**State Aid to Education**: Hamilton-Wenham's Share. A paper for Hamilton-Wenham Public Schools at Harvard Graduate School of Education, 1977.

Newsletters: **The Chalkboard** (Reading, 1971-1974); **Tales Out of School** (Hamilton-Wenham, 1976-1982); **Syllabus** (Hamilton-Wenham RHS, 1974-1982); **Newsletter** (Lexington Public Schools, 1982-1985); **YES (Your Easton Schools)** 1989 to 1993; **The Lamplighter** and **Interface** (column in local paper) 1993 to 2000, Acton-Boxborough.

**Thinking Across The Curriculum**, MASCD Yearbook, 1984 (editor and contributor).

**Computers in Educational Administration**, Addison-Wesley, Reading MA 1986 (one of several authors).

**Every Child Can Learn**, MASCD Yearbook 1989 (editor and contributor).

**Your Schools In Action (YSA)**. Half hour weekly cable television show, 1983 to 2000. Wrote, directed and moderated.

**Beyond Technology: Learning With The Wired Curriculum** MASCD Yearbook 1998 (co-editor, writer) **Winner of ASCD's 1999 Annual Special Publication Award**

**Teaching: A Career, A Profession**, MASCD Yearbook 1999 (co-editor, writer) **Winner of ASCD's 2000 Annual Special Publication Award**

**Technology in Its Place, Successful Technology Infusion in Schools**, Jossey-Bass, 2001 (contributor)

**FOCUS, PERSPECTIVES and Speaks...** informational publications of MASCD, regularly throughout the years; writer, editorial support, 1982 to 2012, **Several issues of Perspectives about STEM and Leadership** under my direction.

## ISA KAFTAL ZIMMERMAN

**Mission Possible: Reaching All Learners With Technology**, MASCD, Wellesley, MA Winter 2004 (co-editor, writer)

**WINGSPREAD STRAND/CONFERENCE** (Inventing the Next Phase: T of STEM in our Schools –a strand in STEM SUMMIT II and Making MA IT Fluent, Oct. 2005, March 2006) Planner, organizer, convener, proceedings writer  
([http://www.lesley.edu/soe/tech\\_in\\_ed/wingspread.html](http://www.lesley.edu/soe/tech_in_ed/wingspread.html))

**One to One Campaign Tool Kit** (Jan 2006) suggested to Intel, wrote and consulted with Converge Magazine on final product (<http://www.best-edtech.org/>)

**STEM Stimulus Package** (Summer 2008) suggested to, wrote and consulted with Converge Magazine on final product ([http://media.centerdigitaled.com/Converge\\_Mag/pdfs/issues/ConvergeSum\\_08\\_72.pdf](http://media.centerdigitaled.com/Converge_Mag/pdfs/issues/ConvergeSum_08_72.pdf))

**STEM Superstars** (Winter 2009). Article for Converge Magazine,  
<http://www.convergemag.com/stem/STEM-Superstars.html>,  
<http://www.convergemag.com/stem/Mass-Leader-Emphasizes-STEM-Education.html>

**School District Instructional Technology Review**, Chaired, **Weston Public Schools**, Jan-March 2006; Conducted, **Hopedale Public Schools**, August-October, 2004. Compiled/ wrote report.

**STEM SUMMIT III, IV, V**, Sturbridge MA, October 2006-08, Chair of Planning Committee (<http://www.massachusetts.edu/stem/>) Headed planning team for Summit VI until April 2009.

**Technology Essentials for the Superintendent**, MassCUE's OnCUE, Winter 2007

**Invited speaker and keynoter/panel member/presenter/convener** on topics related to leadership, instructional technology, STEM at: ISTE, MASS, MassCUE, BLC (invited), NSTA (invited) January 2009, at BETT in London, UK (invited) and in Washington, DC at NECC (invited), June 2009, Triangle Coalition in Washington, DC.

**Foundation for the Future**, A Plan for Increasing the Number of Skilled PreK-6 STEM Educators in the Greater Boston Region, The Wheelock College Aspire Institute, convened and wrote first draft of the report, May 2010. Led revision for plan 2.0, 2014.

**A Strategy Guide to Digital Content**, Center for Digital Education, June 2011

**The Complete Step-By-Step Guide to Designing and Teaching Online Courses**, with Joan Thormann, Teachers College Press, Columbia University, March 2012.

## ISA KAFTAL ZIMMERMAN

**Center for Digital Education**, Senior Fellow, June 2013 to present,  
[www.centerdigitaled.com/](http://www.centerdigitaled.com/)

**Writer of numerous articles on leadership** in several publications, OnCUE (MassCUE's newsletter), MASCD Perspectives, Magna Publications, Inc (WI).

### **PROFESSIONAL ASSOCIATIONS**

**Harvard Graduate School of Education Alumni Association** 1976-1982 **Chair** 1980-1982, **Associated Harvard Alumni**, 1980-1982

**Harvard Graduate School of Education Principals' Center**, Founding Team Member, Member of the Advisory Board 1982-1984

**NorthEast Coalition of Educational Leaders**, (NECEL) Member, Executive Board, President, MA Affiliate, 1979-1983

**Gordon College Coop** Program Member of the Board of Governors, 1982-1986

**EDCO** (Educational Collaborative of Greater Boston) Program Advisory Committee, 1982-1987; 1988 to 1989; Chair 1984-1987, Board of Directors: 1987-1988, 1993 to 2000, Chair of Technology Task Force, 1994 to 2000

**National Science Kids' Network**, Member of the Board, 1986 -1989

**Apple User Group Advisory Committee** (UGAC) Member 1991-1994; Advisory Council, Member 1996-1998

**MASCD (Massachusetts Association for Supervision and Curriculum Development)** Member of the Board, 1985 to 2005, President 1987 -1990, 2000-2003, Presidents' Council (2005 to present), *Winner of ASCD's Affiliate Excellence Award, 2006*), Publications Committee and ex-officio Board member (Sept 2007 to present), Executive Director Ad Interim, October 2014 to present

**ASCD** Affiliate Advisory Committee 1989-1993 (Chair 1991-93); Strategic Planning Commission, Technology & Futures Commission, 1991-93, 1994 to 1996; Executive Council, 1993-1996; Issues Committee, Member 1996 to 1998 (Chair 1997- 1998); Local Arrangements Chair, Annual Conference, March 2001 in Boston; Ad Hoc Reception Committee, Fall 2002; K-12 Connecting With Higher Education Network Originator and Facilitator, 2001-2004

**MCET** (Massachusetts Corporation for Educational Telecommunications) Advisory Board 1991- 2000, Chair 1991-1997. Producer, host of two series: Conversations with the Secretary of Education and Conversations with the Commissioner of Education.

## ISA KAFTAL ZIMMERMAN

**M.A.S.S.** (Massachusetts Association of School Superintendents) Technology Task Force (**MASSTTF**), 1990 to 2000 (Founder and Chair, November 1990 to 1993); Charter School Position Paper, Lead writer, 1994

**MassCUE, Special Advisor to Board of Directors**, 2012 to present

**Stonehill College Superintendents' Center** Board, Member 1990 to 1993

**B.E.S.T** (Business and Education for Schools and Technology) Leadership Team, 1993-2005, Co-coordinator, 2001-2005

**MassNetworks Inc.**, Board of Directors, September 1994 to 2000

**International Electronic Journal for Leadership in Learning** (IEJLL), Advisory Board, 1996 to 2004

**The Discovery Museums**, Acton, MA, Board of Directors, 1998 to 2000

**Project MEET**, Advisory Board Member, MA Department of Education, Jan. 1999 to 2000

**Professional Development Commission**, Gov. Paul Celluci appointee, 1999

**Working Group for Educator Excellence**, member of the coalition from 2002 to present, working with the Department of Elementary and Secondary Education on educator preparation and conditions for high expectation/expertise teaching, 2009 to present; co-chair of iDEA, the subcommittee of the Leadership Team in charge of Information, Dissemination, Education and Advocacy, 2011-13, Legislation and Education Committee co-chair, May 2013 to 2014.

**METCO** Strategic Planning Advisory Committee, June 2000 to June 2001

**Youth Technology Entrepreneurs (YTE)**, Advisory Committee, April 2001 to 2003

**Center for Educational Leadership with Technology** (CELT), Co-chair of Advisory Board, 2002-2004; member of the Board of Directors, November 2009 to present

**MA Department of Education Working Group on Professional Development**, Member 2001-2002

**Educational Technology Advisory Council** (to the Commissioner and Board of Education-ETAC), Founder and Chair, January 2000 to 2007

**Legislative Special Commission on Technology in MA Schools**, Member, Subcommittee Chair, September 2003 to May 2004

## ISA KAFTAL ZIMMERMAN

**BATEC (Boston Area Advanced Technological Education Connections) National Advisory Board member**, March 2004 to present

**STEM Pipeline Fund Advisory Board member**, Department of Higher Education, April 2004-2005

**TTEC (Teaching with Technology Educational Consortium) Leader**, September 2003-2006

**CITI (Commonwealth Information Technology Initiative) Advisory Committee**, December 2004-2005

**Commission on MCAS Online** (MA DOE), Member 2004-2006

**LIFT<sup>2</sup>: Training Secondary Teachers in 21<sup>st</sup> Century Skills**, Board of Directors, Academic Adviser, founding member, academic advisor, September 2001 to 2013

**ETLI (Educational Technology Leadership Institute)**, Lesley University and Boston Public Schools. Secured private grant, supervised program, 2002 to 2005

**Watertown Public Schools**, Technology Innovative Education Advisory Council, 2006-2009

**Boston Public Schools LINC III (Learning and Information Network for the Community) Advisory Committee**, 2006-2007

**Governor Deval Patrick's Readiness Project, Technology and Education Subcommittee**, June 2007-June 2008

**MA Secretary of Education's 21<sup>st</sup> Century Skills Task Force**, 2008

**Goddard Council**, staff to Chancellor Jean MacCormack, UMass Dartmouth, 2007 to 2009

**Community/Education Outreach**, MGH Center for Community Health Improvement School Partnership Advisory Council, 2008 to 2009

**MassBioEd Foundation Newsletter** Editorial Board 2008 to 2010

**JFY Networks**, Advisory Board, April 2009 to the present

**MA Governor Deval Patrick's STEM Advisory Council**, December 2009 to December 2014; Operations Board, 2010 to 2014, co-leader of development of state STEM plan v 2.0; Chair of Global STEM Education Committee September 2014 to March 2015

**Iowa Governor Terry Branstad's STEM Advisory Council**, August 2011 to present

## ISA KAFTAL ZIMMERMAN

**The Kaput Center for Research and Innovation on STEM Education** at UMass Dartmouth, Member of the Executive Board, 2011 to 2013

**Science from Scientists**, Board of Directors, 2011 to present

**Nobel Laureates**, Advisory Board, 2012 to present

**MEDscience**, Harvard Medical School, Advisory Board, 2009 to present

**Swivet**, Advisory Board, 2010 to present

### ***VOLUNTEER ORGANIZATIONS***

**Young Audiences of MA**, Board of Directors, June 2000 to June 2012; Vice President May 2002 to 2005; President July 2005 to July 2007. Member of YAI Marketing and Messaging Committee, 2010 to June 2012, Trustee Emerita, May 2016, Events Committee co-chair, January 2016 to present,

**Symphony by the Sea**, President, Board of Directors, 2009 to 2012

### ***OTHER COMMITMENTS***

**Kenmore Tower Board of Directors**, Vice President 2008 to 2012, President 2012 to 2014

### ***PROJECTS CURRENTLY UNDER DEVELOPMENT/CONSIDERATION***

The **Global STEM Education Center**, Developing a global STEM education program for 6-8, 9-12 and university students (<http://www.globalstemcenter.org>) Chairman, Board of Directors, 2009 to present. Chair of Global STEM Education Committee, September 2015 to the present

**Search4STEM**, a one-stop portal “for all things STEM,” Developer 2011-2012

### ***AWARDS***

**MASS** President’s Award, May 1995

**MassCUE** Pathfinder Award, June 1994

### ***GRANTS***

Dozens of funded proposals since 1970; including **ETLI** (Education Technology Leadership Institute) Lesley University and Boston Public Schools— Integrating Technology into the Literacy Curriculum (\$600K over 3 years); **LIFT<sup>2</sup>**: Training Secondary Teachers in 21<sup>st</sup> Century Skills—MA DOE funding with Metro West REB—three grants of \$200K each

Reader of dozens of grant proposals to MA Department of Elementary and Secondary Education, Massachusetts STEM Pipeline Fund, Massachusetts Cultural Council

**ISA KAFTAL ZIMMERMAN**

Recipient \$50K grant from Massachusetts Life Sciences Center to develop  
Search4STEM, Spring 2012

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