

Prof. Robert Dell

Founding Director, Center for Innovation and Applied Technology,

Founding Director, Laboratory for Energy Reclamation and Innovation

The Cooper Union for the Advancement of Science and Art

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Selected Appointments:

- **United States Department of Energy**, Small Business Innovation Research (**SBIR**) and Small Business Technology Transfer (**STTR**) Phase 0 Assistance Program, **Technical Consultant**, 2015- 6
- **City of Hveragerdi**, Iceland, Consultant, 2014 - 7
- **New York State Energy Research and Development Authority (NYSERDA)** , PON 2244, 2012 Metering Requirements, Equipment, Software and Protocol for Quantifying Elevator Regenerative Potential Project Research Scientist, 2012-2015
- **Center for Innovation and Applied Technology**, The Cooper Union for the Advancement of Science and Art, **Founding Director** 2012 –
- **Keilir Institute of Technology**, Reykjanesbaer, Iceland, **Visiting Scientist**, 2010 -
- **University of Iceland**, Faculty of Industrial Engineering, Mechanical Engineering and Computer Science, Reykjavik Iceland, **Visiting Academic**, 2009 – 12
- **C.V. Starr Research Foundation**, Cooper Union, NYC **Research Fellow**, 2008 -
- **University of Iceland Research Stations**, Hveragerdi, Iceland, **Visiting Research Fellow**, 2008 -
- **Laboratory for Energy Reclamation and Innovation**, The Cooper Union for the Advancement of Science and Art, **Founding Director**, 2008 -

- **Cooper Union Research Foundation**, NYC, **Research Fellow**, 2004 - 8
- **The New York Botanical Garden**, New York City, **Honorary Research Associate**, 2006 - 7
- **The Cooper Union** for the Advancement of Science and Art, **Adjunct Professor of Mechanical Engineering**, 2010 - , previous consecutive adjunct appointments since 2002
- **American-Scandinavian Foundation**, NYC, NY, **Fellow**, 1999 - 2000
- **Massachusetts Institute of Technology (MIT)**, Cambridge, Ma, **Research Affiliate**, 1995 - 7
- **Massachusetts Institute of Technology**, **Architecture Department**, Center for Advanced Visual Studies, **Projects Director**, 1995
- **Massachusetts Institute of Technology (MIT)**, Cambridge, Ma, **Research Fellow**, 1993 - 5
- **Fulbright**, Council for the International Exchange of Scholars, Washington, D.C., **Senior Research Fellow**, 1988
- **MacDowell Colony**, Peterborough, N.H. **Fellow**, 1981

Selected Funded Research

- **New York State Energy Research and Development Authority (NYSERDA)**, PON 2244, Energy Potential Of Regenerative Drive Elevator Technology, 2012, **Lead Research Scientist**, \$380,000
- **Cooper Union Institute for Sustainable Design (CUISD)** Special Projects Grant, Develop and Cultivate a Garden Utilizing Heat from Steam to Maintain the Soil and Vegetation, 2011-2102, **Principal Investigator** \$5,000
- **Orkuveita Reykjavíkur**, Environmental and Energy Research Fund, Possible Prolonging of Playing Season on Golf and Soccer Fields, Administered by The Agricultural University of Iceland, 2008 - 10 **Investigator** \$80,000 (est.)
- **Consolidated Edison of New York**, Steam Heat Division R&D, Develop and Cultivate a Garden Utilizing Heat from Steam to Maintain the Soil and Vegetation, NYC, NY, (with Stan Wei, George Sidebotham, and Vito Guido), 2008 - 9 **Principal Investigator** \$34,400

- **Consolidated Edison of New York**, Steam Heat Division R&D, Thermoelectric Powered Steam Monitoring and Warning System, (with Stan Wei, George Sidebotham), NYC, NY, 2008-9 **Principal Investigator** \$47,000
- **The Cooper Union for the Advancement of Science and Art**, LED Traffic Light Project, (with Stan Wei), 2007 - 9 **Chief Project Engineer** \$25,000
- **Consolidated Edison of New York**, Steam Heat Division R&D, Thermoelectric Power Generation, Phase III, NYC, NY, (with Stan Wei, George Sidebotham), 2007 -9 **Principal Investigator**, \$60,600
- **The Charles A. and Anne Morrow Lindbergh Foundation**, Waste Management and Minimization Grant, , Harvesting and Re-circulating Surplus Heat to Warm the Soil of Small Urban Gardens in New York to Accelerate Plant Growth and Extend the Growing Season, Anoka, MN, 2006 - 7 **Principal Investigator and Grantee** \$10,505
- **Consolidated Edison of New York**, , Steam Heat Division R&D, Thermoelectric Power Generation, Phase II, NYC, NY, (with Stan Wei, and George Sidebotham) 2005 - 6 **Principal Investigator** \$26,000
- **Consolidated Edison of New York**, Steam Heat Division R&D, Thermoelectric Power Generation, NYC, NY, (with Stan Wei, and George Sidebotham) 2004 - 5 **Principal Investigator** \$37,100

Patents (First Inventor)

- **First Inventor**, Bimetallic Leaf Spring and Clamping Device, owned by The Cooper Union, (with Stan Wei and Tae Young Lee)
European Patent . EP 2 148 991 B1 Registered in **France, Germany and England**
- **United States Patent** . US 8,418,342 R2 Bimetallic Leaf Spring And Clamping Device
- **Canadian Patent** CA 2685530 C 2015/02/24 BIMETALLIC LEAF SPRING AND CLAMPING DEVICE
- **First Inventor**, Thermoelectric Power Generation Device, owned by The Cooper Union, (with Stan Wei and George Sidebotham)
European Patent . EP 2 095 440 B1 Registered in **France, Germany and England**

- **United States Patent and Trademark Office** US 8,829,326 B2 Thermoelectric Power Generation Device

*NASA has filed a notice of interest in this invention because it “appears to “have significant utility in the conduct of aeronautical and space activities” “. *
- **United States Patent and Trademark Office** US 9,590,160 Thermoelectric Power Generation Device
- **Canadian Patent** CA 2671995 C 2015/02/24 THERMOELECTRIC POWER GENERATION DEVICE

Recent Selected Peer Reviewed Papers # First Author * Last Author

- # **ASME (American Society of Mechanical Engineers), IMECE (International Mechanical Engineering Congress & Exposition)**, *Design of a Clamp for a Thermoelectric Generator Using Bimetallic Thermal Properties*, Robert Dell, C.S. Wei, Nicholas Mitchell, Runar Unnthorsson, **IMECE2016-68179**, 2016
- * **ASME IMECE**, *Design of a Low-Power Quadruped Robot for Remote Data Acquisition in a Heated Garden*, Nicholas Mitchell, Kristin Miller, C.S. Wei, Runar Unnthorsson, William Foley, Robert Dell, **IMECE2016-68177**, 2016
- ***ASME, IMECE**, *Heat Transfer Analysis of Shell-and-Helical-Coil Heat Exchangers*, Anthony Edward Morris, C.S Wei, Runar Unnthorsson , Robert Dell, **IMECE2016, 68173**, 2016
- # **ASME IMECE**, *Design and Construction of a Heated Garden System Utilizing Steam Condensate from an On Site Boiler*, Robert Dell , C.S Wei, Raj Parikh, Runar Unnthorsson , Nicholas Mitchell, William Foley **IMECE2016-68180**, 2016
- # **GRC (Geothermal Resources Council) GRC Annual Meeting**, *A Thermoelectric Powered Quadruped Robotic System for Remote Monitoring of Geothermal Open Field Heated Gardens in Iceland*, Robert Dell, C.S Wei, Runar Unnthorsson , Nicholas Mitchell, 2016
- # **GRC Annual Meeting**, *Thermally Enhanced Open Field Heating Agricultural System Using Waste Geothermal Hot Water and low Temperature Steam in Iceland and Waste Municipal Steam in New York City*, Robert Dell, C.S Wei, Runar Unnthorsson , Nicholas Mitchell, 2016

- **# Geothermal Resources Council (GRC) Annual Meeting, Accelerated Plant Growth Results from an Intensive Shallow Bottom Heat System Using Waste Geothermal Hot Water and Steam Condensate in Iceland**, Robert Dell, C.S Wei, Runar Unnthorsson, William Foley, 2015

Awarded: Outstanding Technical Session Presentation

- *** Geothermal Resources Council (GRC) Annual Meeting, Point of Use Thermoelectric Powered Automated Irrigation System for an Intensive Shallow Bottom Heat System Using Waste Geothermal Hot Water and Steam Condensate in Iceland**, William Foley, C.S Wei, Runar Unnthorsson, Robert Dell, 2015

Awarded: Outstanding Technical Session Presentation

- **# Geothermal Resources Council (GRC) Annual Meeting, Enhanced Agricultural Production from an Intensive Bottom Heat System Using Waste Geothermal Hot Water and Steam Condensate in Iceland**, Robert Dell, Runar Unnthorsson, C.S. Wei, William Foley, Portland Oregon, 2014

Awarded: Outstanding Technical Session Presentation

- **# GRC Annual Meeting, Web Accessible Security Camera System Independently Powered by a Point of Use Thermoelectric Generator Using Geothermal Pipes as a Heat Source**, Robert Dell, Stan Wei, Runar Unnthorsson, William Foley, Mitchell Cady, Malcolm Dell, Michael Isakovand, Alex Livermore, Portland Oregon, 2014,
- **# American Society of Mechanical Engineers (ASME) International Mechanical Engineering Congress and Exposition (IMECE) 2014 39077 Supercapacitors and Battery Configuration for Utilizing a Thermoelectric Generator to Power a Web-Accessible Robotics Monitoring System**, Robert Dell, Runar Unthorsson, StanWei, William Foley, Montreal, Canada 2014
- **ASME IMECE 2014 38384 Developing a Methodology for Comparing the Energy Efficiency of Differing Elevator Type** James Bos, Robert Dell, Brad Nemeth, Stan Wei, William Foley, Montreal, Canada
- **# ASME IMECE 2014 39066 Repurposing Waste Steam and Hot Water to Accelerate Plant Growth in Heated Green Roofs** Robert Dell, Stan Wei, Raj Parikh, Runar Unthorsson, William Foley
- **# GRC Annual Meeting, Web Accessible Security Camera System Independently Powered by a Point of Use Thermoelectric Generator Using Geothermal Pipes as a Heat Source**, Robert Dell, C.S.Wei, Runar Unnthorsson, William Foley, Mitchell Cady, Malcolm Dell, Michael Isakovand, Alex Livermore, Portland Oregon, 2014

- # **ASME IMECE 2013** *Repurposing Waste Steam and Hot Water to Accelerate Plant Growth in Heated Green Roofs* R Dell, C.S. Wei, R. Unnþórsson, W. Foley, IMECE2013-65200,, ASME 2013 International Congress, San Diego. Ca.,
- **ASME IMECE 2013** *Developing a Methodology for Measuring the Comparative Energy Efficiency of Elevators* J. Bos, R. Dell, C.S. Wei, W. Foley, IMECE2013-66663, ASME 2013 International Congress, San Diego. Ca.,
- # **Geo-Heat Center Quarterly Bulletin, Vol. 31, No. 4**, *A Thermoelectric-Based Point of Use Power Generator for Steam Pipes*, R. Dell, C. Wei, G. Sidebotham, M. Jonsson, R. Unnþórsson, R. Dell, R. Unnthorsson, C.S. Wei, , Geo-Heat Center Oregon Institute of Technology, Klamath Falls, Oregon, 2013
- # **ASME 2013 Power Conference**, *Waste Geothermal Hot Water for Enhanced Outdoor Agricultural Production*, R. Dell, R. Unnthorsson, C.S. Wei, Power 98172, Boston Ma
- # **ASME IMECE2012** *Thermoelectric-Based Power Generator for Powering Microcontroller Based Security Camera* , R. Dell, R. Unnthorsson, C. Wei, G. Sidebotham, M. Jonsson, W. Foley, E. Ginsburg, S. Paul, S. Kim, A. Morris, ASME - 89611

Recommended for: Best Paper, journal publication and Honors.

- # **Geo-Heat Center Quarterly Bulletin, Vol. 30, No. 3**, *Geothermal Heat in Agriculture: Preliminary Results of an Energy Intensive System in Iceland*, R. Dell, C Wei, G. Sidebotham, V. Guido, J. Cataldo, R. Unnþórsson, M. Jonsson, T. Þórðarson, K. Smolar, A. Bronfman, Geo-Heat Center Oregon Institute of Technology, Klamath Falls, Oregon, 2011
- # **Geothermal Resources Council** *A Thermoelectric-Based Point of Use Power Generator for Steam Pipes*, R. Dell, C. Wei, G. Sidebotham, M. Jonsson, R. Unnþórsson, Geothermal Resources Council Transactions Volume 35, , Davis, California, 2011
- # **Geothermal Resources Council**, *Geothermal Heat in Agriculture: Preliminary Results of an Energy Intensive System in Iceland* R. Dell, C. Wei, G. Sidebotham, V. Guido, J. Cataldo, R. Unnþórsson, M. Jonsson, T. Þórðarson, K. Smolar, A. Bronfman, , Geothermal Resources Council Transactions, Volume 35, , Davis, California, 2011

Awarded: Outstanding Technical Presentation

Other Selected First Author Papers

- **Consolidated Edison**, *Develop and Cultivate a Garden Utilizing Heat from Steam to Maintain the Soil and Vegetation*, R. Dell, C. Wei, G. Sidebotham, V. Guido, 2009,

- **Cooper Union** *Assessment of the Maurice Kanbar US Patent 5850126 Screw-In LED Lamp*, R. Dell, C. Wei, 2009.
- **Consolidated Edison** *Proof of Concept Thermoelectric Module (TEM) Prototype Field Tested in a Steam Manhole*, R. Dell, C. Wei, G. Sidebotham, 2009
- **Charles A. and Ann Morrow Lindbergh Foundation**, *Harvesting and Re-circulating Surplus Heat to Warm the Soil of Small Urban Gardens in New York to Accelerate Plant Growth and Extend the Growing Season*, R. Dell, 2008
- **Consolidated Edison**, *Development of Five Prototype Thermoelectric Modules for Steam Vortex Flowmeters*, R. Dell, C. Wei, G. Sidebotham, New York, 2007
- **Consolidated Edison**, *Thermoelectric Power Generation From Exposed Steam Pipes, Phase II-Technical Report*, R. Dell, C. Wei, G. Sidebotham, 2007
- **Consolidated Edison**, *Thermoelectric Power Generation From Exposed Steam Pipes*, R. Dell, C. Wei, G. Sidebotham 2005

Selected Open Lectures and Presentations

- **The Atlantic Magazine**, *The Atlantic Roundtable Working Summit on Energy*, underwritten by NRG Energy and hosted by The Atlantic Magazine; "a gathering of energy thought leaders from all sectors - academia, industry, media, etc- to discuss the future of energy" **Participant**, NYC March, 2016
- **IceBio2015**, The Icelandic Biological Society biannual conference, , Geothermal ecosystems **Session Presenter**, Reykjavik, Iceland, 2015
- **University of Iceland**, numerous **open lectures** Reykjavik, Iceland, 2009 – 2017
- **Keilir Institute of Technology**, numerous **open lectures**, 2013 – 2017
- **University of Reykjavik**, School of Project Management, Reykjavik, Iceland, 2010 –
- **European Union Education Foundation (CHEER)**, 5th World Leading School Conference, Leading Schools Leading Global Change, "Two Global Issues," Featured Presenter and Panelist, NYC, 2011
- **Columbia University**, Columbia Business School, "Micro-Green Solutions to Sustainable Living" NYC, 2010
- **American Society of Mechanical Engineers, Metropolitan Chapter**, "From Steam to Green - Harvesting Waste Energy" NYC, 2010

- **New York Hall of Science /Scientific American**, New York Hall of Science, NYC, 2010
- **Columbia University**, Columbia University Renewable Energy Society (C.U.R.E.S., "Geothermal Energy," Columbia Engineering, NYC, NY \, 2009

Numerous other presentation venues include

- **MIT**
- **Harvard**
- **Fulbright Association**
- **State University of New York**

Selected Scientific and Professional Societies

- **American Society of Mechanical Engineers (ASME)** Member, 2005 -
- **Geothermal Resources Council**, Member, 2010 -
- **American Welding Society (AWS)** Member, 1993 -
- **Order of The Engineer**, Member – 2005
- **Municipal Planning Federation of Rockland County**, Member, 1993 -

Selected Additional Consulting

- **Metropolitan Building Consulting Group**, PLLC. , NYC, NY, 2007 **Director of Research and Development** 2005 -
- **The Sustainable Profitability Group**, NYC, NY, 2004- 15, **Board of Advisors**, 2010 - 2014
- **Vaettir Corporation**, R&D, consulting and green energy systems company, Tappan, NY, **President**, 1999 -
- **Town of Orangetown**, Orangeburg, NY (Population 50,000) , **Planning Board Member**, 2001-, **Chairman**, 2007 - 9
- **Town of Orangetown, Architecture and Community Appearance Board of Review** , 1979- 2001, **Member**, 1988-2001 **Vice Chairman**, Orangeburg, NY

Cooper Union Instructional Load

- Courses Taught in Recent Academic Years: EID/ME 105, ME 163, ME 164, ME 363, ME 364, ME 365, ME 499, ME 463
- 8 Masters completed Thesis supervised and 4 current advisees
- Over 60 students for Iceland Study Abroad Program
- Over 80 Senior Projects, 6 current advisees

Selected Additional Honors, Awards, Endorsements, etc.

- **The Atlantic Magazine, Washington, D.C. designated as an “energy thought leader**
- **Keep America Beautiful, Rockland County Chapter, New City, NY, Honoree, 2015**
- **Smithsonian Institution, Washington, D.C., Permanent Archive established, “ *The Robert Dell Papers*”, 2014,**
- **Scientific American, recognized Robert Dell as “one of the leading professional researchers in the New York City area”**
- **The Academy of Television Arts & Sciences The Academy of Television Arts & Sciences, North Hollywood, Ca., 1993 Emmy Honoree**
- **Who’s Who Among Americas Teachers, 2006**
- **Who's Who in America, 1992 -**

Numerous other awards for civic contributions

Selected Additional Background

- **Experimental visual artist** : received over 20 grants, over 20 solo and 100 group installations at museums, universities and galleries, and numerous major reviews, articles and anthologies
- **Political Candidate**: won Democratic Primary in a town with over 50,000 inhabitants and received all newspaper endorsements available

Selected Education

State University of New York, Oneonta, B.S., 1972

State University of New York, New Paltz, M.F.A., 1975

Experimental/Sustainable Art Installations, Exhibitions, Public Collections, Appointments, Publications, etc.

Selected Experimental Visual Art Appointments

- **The Cooper Union for the Advancement of Science and Art, School of Engineering, NYC, NY, 2003-5, Artist in Residence**
- **American-Scandinavian Foundation, NYC, NY, 1999, Fellow to Iceland**
- **Akureyri School of Visual Arts, Akureyri, Iceland, 1999, Visiting Artist**
- **Massachusetts Institute of Technology, Cambridge, Ma, 1995-7, Research Affiliate**
- **Massachusetts Institute of Technology, School of Architecture, Center for Advanced Visual Studies, Cambridge, Ma, 1993-5, Research Fellow**
- **Emmy Academy NYC, NY, Honoree, 1993**
- **Fulbright, CIES, Washington, D.C. 1988, Senior Research Fellow to Iceland**
- **The McDowell Colony, Peterborough, NH, 1980, Fellow**
- **New York Foundation for the Arts, Special Opportunity Grantee, NYC, 2000 - 01**
- **Council for the Arts at M.I.T., , Cambridge, Ma, Grantee 1997**
- **Waterloo Foundation for the Arts, , Stanhope, NJ, Grantee 1994**
- **Partners of the Americas, Rockland County Chapter ,Travel Grantee, Blauvelt, NY, 1992**
- **New York State Council on the Arts, , Albany, NY, Grantee, 1986**
- **Artist Fellowship, NYC, Grantee, 1983**
- **Change Inc., NYC, Grantee, 1983**
- **MacDowell Colony, Peterborough, NH, Grantee, 1980**
- **Collaboration Art, Science and Technology, Syracuse,, NY, Grantee, 1978**

Selected Experimental Visual Art Publications/Media

- **Numerous web articles and information, 1994 -**
- **MacDowell Colony Newsletter, , Peterborough, NH, Hannah Fitch article, 2015**
- **Gallery & Studio , 2007, Review**
- **Felagsblad, Felag Leidsoggumanna, article, Reykjavik, Iceland, Robert Dell Author, 2003**
- **Information Arts, by Stephen Wilson, The MIT Press, Cambridge, Ma, Anthology, 2002**
- **Reykjavik Municipal Art Museum, *Hitavaettir, Thermal Guardians*, , Iceland, Robert Dell, Book Author 2001,**
- **Morgunbladid, , Reykjavik, Iceland, articles and review 2001**

- **D.V.**, , Reykjavik, Iceland, **review**, 2001
- **IGA News, International Geothermal Association**, Number 43, Gudmundur Palmasson, Pisa, Italy, **article** 2001 **article** 2001
- **Municipal Art Museum**, catalog for Robert Dell, Thermal Guardians, D. Dominick Lombardi, Iceland, **Co- Author** 2001
- **Iceland Review**, Edda Media and Publishing, Jennifer McCormack, Reykjavik, Iceland, **article/review**, 2001
- **Sculpture**, International Sculpture Center, by D. Dominick Lombardi, Hamilton, New Jersey, **review**, 2001
- **Leonardo**, The MIT Press, volume 33, number 3, Hitavaettur and the Implications of Geothermal Sculpture, Cambridge, Ma, **Robert Dell Author**, 2000,
- **Geothermal Resources Council Bulletin**, Geothermal Resources Council, article Ted Clutter, Davis, Ca, **article**, 2000
- **The New York Times**, Westchester Edition, D. Dominick Lombardi, NYC, NY, **review** 1999
- **The New York Times**, Long Island edition, Helen Harrison, NYC, NY, **review**, 1999
- **MIT Tech Talk**, Cambridge, Ma, Lynn Heinemann, **article** 1997
- **Daugar**, Reykjavik, Iceland, **article**, 1999
- **AKSUN**, State Television, , Akureyri, Iceland, **news segment**, 1999
- **TV 2**, **news segment**, Reykjavik, Iceland, **news segment**, 1999
- **Iceland State Television**, Reykjavik, Iceland, **Frettir**, **news segment**, 1996
- **Billings Gazette**, Billings, Montana, Michael Milstein, **article** 1996
- **Morgunbladid**, Reykjavik, Iceland, Erikur Thorlaksson, **review** 1994
- **Iceland State Television**, Reykjavik, Iceland, **Frettir**, **news segment**, , 1993
- **Capital Cities/ABC Ink**, NYC, by Amy Young, **article** 1993
- **MIT Tech Talk**, Cambridge, Ma, by Lynn Heinemann, **article**, 1997
- **Iceland State Television**, Reykjavik, Iceland, *Frettir*, Evening News Yellowstone National Park installation (Bob Landis Nature Films) and Perlan, **news segment**, 1996
- **Capital Cities/ABC Ink**, NYC, article by Amy Young, 1993
- **Art Speak**, NYC, Joseph Merkel, **review**, 1988

SELECTED SOLO INSTALLATIONS:

- **The Lab Gallery**, The Roger Smith Hotel, NYC, December 2006 (installation)
- **The Cooper Union** for the Advancement of Science and Art, Albert Nerken School of Engineering, NYC, NY, 2003 (installation)
- **Reykjavik Municipal Art Museum**, Harbour House, Reykjavik, Iceland, 2001 (geothermal installation)
- **Akureyri Art Museum**, Akureyri, Iceland, 1999 (installation)
- **Geysir Nature Conservation Area, The Great Geysir**, Haukadalur, Iceland, 1999 (geothermal installation)

- **Blue Hill Cultural Center**, Pearl River, NY, 1998-9 (installation)
- **MIT**, Kresge Oval, Cambridge, Ma, 1997 (installation)
- **Yellowstone National Park**, Grotto, Castle and Old Faithful Geysers Groups, Wy, 1996 (geothermal installations)
- **Mid-Hudson Arts & Science Center**, Poughkeepsie, NY, 1992 (installation)
- **Perlan**, Reykjavik, Iceland, 1991 - (permanent geothermal installation)
- **United States Embassy**, American Cultural Center, Reykjavik, Iceland, 1988
- **Country Park Reykjanesfolkvangur**, Krisuvik, Iceland, 1988 (geothermal Installation)
- **Vorpal Gallery**, NYC, NY, 1988
- **Blue Hill Cultural Center**, Pearl River, NY, 1987
- **Vorpal Gallery**, San Francisco, Ca, 1985
- **New Acquisitions Gallery**, Syracuse, NY, 1983
- **Vorpal Gallery**, NYC, NY 1981
- **Vorpal Gallery**, Chicago, Illinois Il, 1979
- **SUNY, Oneonta**, Oneonta, NY, 1976

SELECTED GROUP INSTALLATIONS (from over 100)

- **Highbridge Park, NY Parks Dept.**, Outdoor Installation 2015
- **St. Thomas Aquinas College**, Azarian-Mcullough Gallery, Sparkill, NY, 2008, 2010
- **Salem Art Works Sculpture Park**, Salem, NY 2007-12
- **McLevy Park**, Bridgeport, Connecticut, 2004 –
- **Museum House at Húsavík**, Húsavík, Iceland, 2003
- **Regional Museum of Hornafjörður**, Hofn, Iceland, 200
- **Hafnarborg Institute of Culture and Fine Art**, Hrafnarfurðor, Iceland, 2002
- **Noho Gallery**, NYC, NY, 2002
- **Regional Museum of Snaefellnes**, Olafsvik, Iceland, 2002
- **Rockland Center for the Arts**, West Nyack, NY, 2002
- **Art Gallery Fold**, Reykjavik, Iceland, 2001 -
- **Galleri Ofeigur**, Reykjavik, Iceland, 2000 (geothermal installation)
- **New Jersey City University**, college campus, Jersey City, NJ, 1999 (installation)
- **Nassau Community College**, Firehouse Art Gallery, Garden City, NY, 1999 (installation)
- **Art Gallery Fold**, Reykjavik, Iceland, 1998 - 89
- **New Jersey City University**, Lemmerman Gallery, 1998 - 99 (installation)
- **Harvard University**, Carpenter Center for the Visual Arts, Cambridge, Ma, 1995 (installation)
- **Tufts University**, Tisch Gallery, Medford, Ma, 1995 (installation)
- **MIT, CAVS and the MIT Museum**, Cambridge, Ma, 1994 (installation)
- **Galleri Ofeigur**, Reykjavik, Iceland 1993 - 94
- **Lehigh University**, Siegel Gallery, Bethlehem, Pa, 1991 - 92
- **MIT, MIT Museum**, Cambridge, Ma, 1990-1
- **SUNY, New Paltz**, College Art Gallery, New Paltz, NY, 1987

- **Springfield Museum of Art**, Springfield, MA, 1994
- **Thronja Gallery**, Springfield, Ma, 1984 - 92
- **Thorpe Intermedia Gallery**, Sparkill, NY, 1984, 1985
- **14 Sculptors' Gallery**, NYC, NY, 1984, 1994
- **The Everson Museum**, Syracuse, NY, 1983
- **Palisades Interstate Park, Rockland Lake State Park**, NY, 1982
- **Lincoln Center**, Cork Gallery, NYC, NY, 1982
- **A.B. Condon Gallery**, NYC, NY, 1982
- **New Acquisitions Gallery**, Syracuse, NY, 1982 - 87
- **MacDowell Colony**, Colony Hall, Peterborough, NH, 1980
- **Maryland Institute College of Art**, Meyerhoff Gallery, Baltimore, Md, 1980
- **Vorpal Gallery, San Francisco**, Ca, 1978 - 89
- **Vorpal Gallery, Chicago**, Il, 1978 - 83
- **Rockland Center for the Arts**, West Nyack, NY, 1977 - 82
- **Vorpal Gallery**, NYC, NY, 1977 - 91
- **SUNY, Alfred**, College Art Gallery, Alfred, NY, 1975
- **SUNY, Stony Brook**, College Art Gallery, Stony Brook, NY, 1975
- **SUNY, New Paltz**, College Art Gallery, New Paltz, NY, 1975
- **SUNY, Binghamton**, College Art Gallery, Binghamton, NY, 1974
- **Rome Art Center**, Rome, NY, 1974
- **SUNY, Fredonia**, College Art Gallery, Fredonia, NY, 1974
- **SUNY, Alfred**, College Art Gallery, Alfred, NY, 1974
- **THE ABOVE SELECTED FROM OVER 100 EXHIBITIONS**

Selected Additional Affiliations

- **Scenic Artist, Art Director**, 1983- 2002 The Metropolitan Opera, Numerous Broadway theatrical productions, Feature films, and Network Television.
- **Camp Shanks Memorial Park**, Walkway of American Heroes, VFW Post 1615 **Liaison to the Town of Orangetown, Designer, Walkway Trust Vice-Chairperson, Project Manager**, Town of Orangetown, NY, 1999-
- **Emmy Academy**, NYC, NY, **Honoree** 1993
- **ABC/Disney**, , Arts and Museum Committee, Volunteer Initiatives Program, NYC, NY **Committee Chairperson**, 1993-99
- **Partners of the Americas**, Rockland -St. Lucia, Member, Board of Directors, Arts **Committee Co-Chairperson**, Blauvelt, NY, 1993-98, 2004-6

SELECTED MUSEUM, UNIVERSITY, INSTITUTIONAL, GOVERNMENT, MUNICIPAL AND CORPORATE COLLECTIONS

- **Smithsonian Institute, Archives of American Art**, *Permanent Archive “The Robert Dell Papers”* Washington, D.C.
- **MIT CAVS Special Collection**, Cambridge Ma
- **Fulbright Commission**, Reykjavik, Iceland
- **Hedinsnaust-hf**, Gardabor, Iceland
- **MacDowell Colony**, Peterborough, NH
- **Massachusetts Institute of Technology**, Cambridge, Ma
- **Museum of Fine Art**, Springfield, Ma
- **Ophir Optronics, Incorporated**, Peabody, Ma
- **Reykjavik Municipal Art Museum** , Perlan, Reykjavik, Iceland
- **State University of New York**, Oneonta, NY
- **Syracuse University**, Syracuse, NY
- **Town of Orangetown**, NY
- **United States Embassy**, American Cultural Center, Reykjavik, Iceland

SELECTED VISUAL ARTS SPEAKING ENGAGEMENTS

- **Nassau Community College**, Firehouse Art Gallery, Garden City, NY, 1999
- **New Jersey City University**, Jersey City, NJ Lemmerman Gallery 1998
- **Harvard University** Harvard Center for Astrophysics, , Parallels in Creativity Symposium II, Cambridge, Ma, 2005-, Organizer
- **Iceland Academy of the Arts**, Reykjavik, Iceland, 2001
- **Reykjavik Municipal Art Museum**, Harbour House, Reykjavik, Iceland, 2001
- **Massachusetts Institute of Technology**, Twenty Chimneys, CAVS, 1997, 1993
- **Harvard University, The Carpenter Center**, Parallels in Creativity Symposium, , Cambridge, Ma, 1996
- **The Cooper Union for the Advancement of Science and Art, The Great Hall**, NYC, 1994