
Christoph F. Reinhart

PROFESSOR



Massachusetts Institute of Technology

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• www.mit.edu/SustainableDesignLab
• www.solemma.com
• www.mapdwell.com

EDUCATION

- 2001 **Dr. Ing.** Architecture, Technical University of Karlsruhe, Germany
Dissertation: Daylight Availability and Manual Lighting Control in Office Buildings
- 1997 **Dipl.-Phys.**, Albert-Ludwigs Universität, Freiburg, Germany
M.Sc. Physics, Simon Fraser University, Vancouver, Canada

ACADEMIC POSITIONS HELD

- since 2017 **Professor in Building Technology**
Massachusetts Institute of Technology, Department of Architecture
- 2012 – 2017 **Associate Professor in Building Technology (with tenure)**
Massachusetts Institute of Technology, Department of Architecture
- 2008 – 2011 **Associate Professor of Architectural Technology**
Harvard University, Graduate School of Design
- 2005 – 2007 **Adjunct Professor**
McGill University, School of Architecture
- 2001 – 2008 **Research Officer (staff scientist)**
National Research Council Canada

NON ACADEMIC POSITIONS

- Since 2012 **Solemma LLC** – CEO and Managing Member
Harvard spinoff: Developers and distributors of the DIVA-for-Rhino and ALFA environmental performance analysis tool suites (www.solemma.com)
- Since 2013 **mapdwell LLC** – Founding Partner and Strategic Development Advisor
MIT spinoff: Developers and distributor of urban solar mapping tools (www.mapdwell.com)

RESEARCH PROJECTS

- Since 2017 **URBAN PERSONAS, PI**
Philips Lighting; \$125,000 over 1 year
- Since 2017 **WATER| ENERGY | FOOD, PI**
Center for Complex Engineering Systems (CCES) at KACST and MIT; \$330,000 over 2 yr
- Since 2017 **ENERGY BAZAR, PI**
Exelon Corporation; \$400,000 over 3 years
- Since 2017 **DECARBONIZED ENERGY SYSTEMS FOR THE NEW VOLPE CENTER, Co-PI**
MIT Environmental Solutions Initiative; Seed grant over \$150,000 over 2 years; Co-PI with Prof Les Norford (MIT Architecture) and David Hsu (MIT Urban Planning)
- Since 2016 **STRATEGIC RESEARCH, PI**
Behnisch Architekten; \$105,000 over 3 years
- 2014 – 2018 **SUSCITY: URBAN DATA DRIVEN MODELS FOR CREATIVE AND RESOURCEFUL URBAN TRANSITIONS, CO-PI**
MIT Portugal Program \$395,000 over 4 years; Co-PI with Prof John Fernandez, Leon Glicksman, Marta Gonzales, Kent Larson and Richard de Neufville
- Since 2002 **DAYSIM, PI**
Main developer of the daylighting design tool DAYSIM. The tool a user base in over 90 countries affiliated to over 1500 Architecture & Engineering firms, universities and research institutions (www.daysim.com); PI
- 2015 – 2017 **RIYADH ENERGY STUDY, Co-PI**
Center for Complex Engineering Systems (CCES) at KACST and MIT; \$450,000 over 2 years; Co-PI with Prof Marta Gonzales (MIT CEE)
- 2014 – 2017 **MIT – MASDAR INSTITUTE SIGNATURE PROJECT: LINKING SENSOR NETWORKS TO URBAN ENERGY MODELS, Co-PI**
Masdar Institute \$1,800,000 over 3 years; Co-PIs with Prof Les Norford and Steven Leeb (MIT EE)
- 2013 – 2016 **KUWAIT SIGNATURE PROJECT - ENHANCED OPERATIONAL ENERGY EFFICIENCY AND LIFE CYCLE PERFORMANCE OF BUILDINGS AND NEIGHBORHOODS IN KUWAIT, Co-PI**
Government of Kuwait \$3,700,000 over 3 yr for MIT; The project involve faculty in several MIT Department and is led by Prof Oral Buyukozturk (MIT Civil Engineering)
- 2014 – 2016 **BOSTON ENRGY MODEL, PI**
Massachusetts Clean Energy Center and the Boston Redevelopment Authority, \$75,000 over 1 yr; Development of a city-wide energy model for the City of Boston, PI
- 2013 – 2015 **MIT-KACST - CITYSCHEMA, Co-PI**
Center for Complex Engineering Systems (CCES) at KACST and MIT; \$450,000 over 2 yrs; Co-PI with Kent Larson (MIT Media Lab)
- 2012 – 2014 **MIT ENERGY INITIATIVE SEED GRANT – URBAN MODELING INITIATIVE, PI**
MITEI and United Technology Corporation \$150,000 over 2 years; Co-PI with Prof Les Norford
- 2010 – 2014 **EFRI-SEED: CREATING OPPORTUNITIES FOR ADAPTATION BASED ON PULSE (POPULATION IN URBAN LANDSCAPE FOR SUSTAINABLE BUILT ENVIRONMENT), Co-PI**
National Science Foundation \$2,000,000 over 4 year; Co-PI with Prof Jelena Srebric (Penn State) and Prof Jack Spengler (Harvard School of Public Health).

- 2012 US DOE – GPIC HUB- DEVELOPMENT OF A DAYSIM API, PI
US-DOE and GPIC \$75,000 over 1 year; PI
- 2010 – 2011 DEVELOPMENT OF A CERMAIC SHADING SYSTEM, Co-PI
ASCER (Tiles of Spain) \$100,000 over 1 yr; Co-PI with Prof Martin Bechthold (Harvard GSD)
- 2009 – 2011 THE USE OF BUILDING ENERGY SIMULATIONS DURING DESIGN, CONSTRUCTION AND OPERATION – AN OWNER’S PERSPECTIVE, PI
Development of Energy Modeling Guidelines for Harvard University; collaboration with the Harvard Office for Sustainability. Harvard Real Estate Academic Initiative \$37,000 over 2 yr; PI
- 2009 – 2010 VISUAL COMFORT IN OPEN PLAN ENVIRONMENTS, PI
Dean’s Annual Research Grant Program \$27,000 over 1 yr; PI
- 2009 – 2010 THE DAYLIGHTING DASHBOARD, PI
Daylight research funded by Autodesk; \$20,000 over 1 yr; PI
- 2009 – 2010 A RULE-OF-THUMB BASED DESIGN SEQUENCE FOR DAYLIGHTING, PI
William F Milton Fund. \$35,000 over 1 yr; PI
- 2008 – 2010 SUSTAINABLE DESIGN TUTORIALS
Development of teaching material for sustainable design. Office of the President \$18,000 over 3 yr; PI
- 2007 – 2009 DEVELOPMENT OF A VALIDATION METHODOLOGY FOR DAYLIGHT SIMULATION ENGINES
Development of test cases for software validation and compliance purposes. Autodesk \$100,000; PI
- 2007 – 2008 PIER PROGRAM - DAYLIGHTING METRICS PROJECT
Analysis of 61 daylit spaces. California Energy Commission and the New York State Energy Research and Development Authority \$1,800,000; Co-PI: Lisa Heschong and Prof Joel Loveland (University of Washington)
- 2004 – 2008 OPTIMIZING OVERALL ENERGY USE AND OCCUPANT COMFORT IN THE PERIMETER ZONE
Field studies to monitor occupant use of lighting and shading controls in commercial buildings. Natural Resources Canada and BC Hydro; \$800,00 over 4 years; PI
- 2004 – 2008 DEVELOPMENT OF A DAYLIGHTING DESIGN GUIDE
Canadian Technology & Innovation Initiative \$290,000 over 4 yr; PI
- 2005 – 2006 DYNAMIC DAYLIGHT PERFORMANCE METRICS
Development of climate-based daylighting performance metrics. Kalwall \$30,000 over 2 yr; PI
- 2003 – 2005 MODELING CLASSROOMS IN LIGHTSWITCH WIZARD
BC Hydro and the Canadian Technology & Innovation Initiative \$60,000 over 3 yr; PI
- 2004 – 2005 DAYLIGHT SIMULATIONS OF A TRANSLUCENT GLAZING SYSTEM
Development of a Radiance model for a translucent panel. Kalwall \$60,000 over 1 yr; PI
- 2003 – 2005 TRANSLUCENT GLAZING SYSTEMS FOR DAYLIGHTING
Laboratory study on health and task performance in daylit spaces. Kalwall \$150,000 over 2 yr; Co-PI with Dr. Jennifer Veitch (National Research Council Canada)
- 2001- 2004 DAYLIGHTING CREDITS FOR CODES
Evaluation of daylighting technologies. Natural Resources Canada \$150,000 over 3 yr; PI
- 2002 - 2003 NEW NRC DAYLIGHTING LAB
Setup of NRC’s daylighting laboratory (two identical south-facing test offices that are equipped with extensive monitoring equipment). National Research Council \$100,000 over 1 yr; PI
- 2003 LIGHTSWITCH WIZARD, PI
Development of an online daylighting tool. Natural Resources Canada \$70,000 over 1 yr; PI

AWARDS AND SCHOLARSHIPS

- 2018 **Fraunhofer Bessel Prize** by the Alexander von Humboldt Foundation
- 2017 **Best Paper Award 2017** Building and Environment Journal (with N L Jones)
- 2017 **Commended Paper Award** Passive Low Energy Architecture (PLEA) 2017 in Edinburgh (with I Turan, J E Fernández, P Ferrão and E Olivetti)
- 2016 **IBPSA-USA Award for Distinguished Achievement in Building Simulation** This award recognizes an individual who has a distinguished record of contributions to the field of building performance simulation, over a long period.
- 2016 **Georgios Kazas Best Paper Award** 8th International Conference on Sustainability in Energy and Buildings, SEB-16 (with C S Monteiroa, A Pinaa, C Cerezo Davila and P Ferrãoa)
- 2015 **SUSTAINIA 10 2015:** mapdwell solar system selected as the winner of the IT category for the Sustainia 2015 projects (with mapdwell LLC)
- 2014 **FastCompany Design by Innovation Award 2014:** category Data Visualization for mapdwell Solar *Systems* (with mapdwell LLC)
- 2013 **Star of Building Science**, Inaugural Virtual Academy of Excellence, Buildings4Change magazine
- 2011 **Best Paper Award** Symposium on Simulation for Architecture and Urban Design (with J Niemasz and J Sargent)
- 2010 **Leon Gaster Award** for the Best Lighting Application Paper of the Year, awarded by the CIBSE Society of Light and *Lighting* (with V LoVerso)
- 2009 **Faculty of the Year**, Harvard Graduate School of Design, Department of Architecture
- 2009 **ARUP Prize** - Best paper on the Application of Building Performance Simulation in the Design Process (with H Wasilowski)
- 2005 **Lorne W. Gold Award** for the best IRC publication of the year
- 2005 **NRC Industrial Partnership Award**
(with COPE team)
- 2004 **IRC Public Awareness Award**
(with A Laouadi)
- 2004 **IRC Industrial Partnership Award**
(with COPE team)
- 1998 - 2001 **DFG scholarship (German Research Foundation)**
(for three years of doctorate studies at the Fraunhofer ISE)
- 1994 **DAAD scholarship (German Academic Exchange Service)**
(to study a year at a Canadian University)
- 1993 **Erasmus Scholarship (European Union)**
(to study a year in Paris)

TEACHING EXPERIENCE

- Since 2012 **Massachusetts Institute of Technology**
4.401./4.464 Environmental Technologies in Buildings
4.430 Daylighting and Solar Gain Control
4.433 Modeling Urban Energy Flows – Towards Sustainable Cities and Neighborhoods
4.481 Building Technology Seminar
4.4s42 Comfort in Motion
- 2008 – 2011 **Harvard University, Graduate School of Design**
GSD 6112.m2 Energy Technology and Buildings
GSD 6205 Environmental Technologies in Buildings
GSD 6332 Daylighting Buildings
GSD 6417 Building Performance Simulation – Energy
GSD 6420 Thermal Analysis of Buildings
GSD 7330 Design Research Methods
GSD Executive Education Program- Daylighting Buildings
HBS Harvard Advanced Management Development Program - Sustainable Building Design
- 2005 – 2007 **McGill University, School of Architecture**
ARCH 447 Lighting (with C. Sampson)
ARCH 676 Building Simulation

ACADEMIC PROFESSIONAL AND PUBLIC SERVICE

- Ongoing **Member of the Editorial Board**
Building Research and Information (2018)
Building Simulation – An International Journal (since 2008)
Journal of Building Performance Simulation (2008 – 2017)
- External Reviewer** for the following journals
ASHRAE Journal, Energy & Buildings, Building and Environment, Building Research & Information,
Journal of Building Performance Simulation, Building Simulation – An International Journal,
Solar Energy, LEUKOS, Lighting Research & Technology
- 2006 – 2017 **Member of the IESNA and CIE Daylighting Committees**
- 2013 **Organizer of the Symposium on Sustainable Urban Design at MIT**
- 2011 – 2013 **IBPSA-USA Board of Directors**
- 2010 **Expert Witness: National Academy of Sciences Institute of Medicine**
- 2005, 2009 **Organizer of the International Radiance Workshop**
- 2008 **Scientific Chair for esim 2008**
- 2006 – 2008 **IBPSA-Canada Board of Directors**
- 2005 – 2007 **Member of the Technical Advisory Group for LEED-Canada**
- 2006 **Guest Editor *Energy & Buildings Journal* (with S Selkowitz, LBNL)**
Special issue on “Daylighting”, Energy & Buildings 38:7, 2006.
- 2002 – 2005 **Subtask Leader, IEA Task 31 Daylighting Buildings in the 21st Century**

POSTDOC AND STUDENTS

POSTDOCS AND RESEARCH SCIENTISTS SUPERVISED

Name	Program	Time Period
Khadija Benis	Postdoc	Since Jan 2018
Carlos Cerezo	Research Scientist	Oct 2017 – Jul 2018
Jay Dhariwal	Postdoc	Jan 2016 – Jul 2017
Valerio LoVerso	NSERC Postdoctoral Fellow	Aug 2006 – Jul 2007
Denis Bourgeois	NSERC Postdoctoral Fellow	Jun 2005 – Dec 2006

GRADUATE STUDENTS (CO-) SUPERVISED

Student	Degree Program	Graduated in
Nathaniel Jones	PhD Building Technology, MIT	2017
Carlos Cerezo	PhD Building Technology, MIT	2017
Nan Zhao	PhD MIT Media Lab (co-advise J Paradisio)	2017
Timur Dogan	PhD Building Technology, MIT	2015
Tarek Rakha	PhD Building Technology, MIT	2015
Matt Aldrich	PhD MIT Media Lab (co-advise J Paradisio)	2014
J. Alstan Jakubiec	PhD Building Technology, MIT	2014
Diego Ibarra	Doctor in Design Studies, Harvard	2014
Holly W Samuelson	Doctor in Design Studies, Harvard	2013
Huang Jianxiang	Doctor in Design Studies, Harvard (co-advise S Pollalis)	2013
Jamie Farrell	SMArchS	2017
Bradley Tran	SMBT	2017
Alpha Arsano	SMArchS	2017
Norhan Bayomi	SMArchS (co-advise J Fernandez)	2017
Irmak Turan	SMArchS (co-advise J Fernandez)	2016
Manos Saratsis	SMArchS	2015
Jeff Geisinger	SMArchS	2015
Chris Mackey	MArch I/SMBT, MIT (co-advise S Tibbits)	2015
Trygve Vasted	MArch, MIT (co-advise J Lamere)	2015
Carlos Cerezo	Master in Design Studies, Harvard	2013
Krista Palen	Master in Design Studies, Harvard	2013
Amanda Webb	SMARCHS, MIT (Fernandez)	2012
Timur Dogan	Master in Design Studies, Harvard	2012
Debashree Pal	Master in Design Studies, Harvard	2012
Elliot Glassman	Master in Design Studies, Harvard	2012
Jeff Niemasz	Master in Design Studies, Harvard	2011
Jon Sargent	Master in Design Studies, Harvard	2011
Seth Holmes	Master in Design Studies, Harvard	2011
Azadeh Omidfar	Master in Design Studies, Harvard	2011
Rashida Mogri	Master in Design Studies, Harvard	2011
Eduardo Berlin	Master in Design Studies, Harvard	2011
Andrea Dorotan	Master in Design Studies, Harvard	2011
Rohit Manudhane	Master in Design Studies, Harvard	2010

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Tiffany Otis	Master in Design Studies, Harvard	2010
Diego Ibarra	Master in Design Studies, Harvard	2009
Holly Wasilowski	Master in Design Studies, Harvard	2009
Jennifer Sze	Master in Design Studies, Harvard	2009
Cynthia Kwok	Master in Design Studies, Harvard	2009

EXTERNAL EXAMINER/READER

Student	Degree Program	Defense Date
Nelson Soares	PhD, Universidad de Coimbra	Dec 2015
Frederic Haldi	PhD, Ecole Polytechnique Fédérale de Lausanne	Dec 2009
Sian Kleindienst	PhD, Massachusetts Institute of Technology	Dec 2009
Denis Bourgeois	PhD, Université de Laval	May 2005

PRESENTATIONS

KEYNOTE LECTURES

- Sep 18 *IBPSA Regional Conference - South America*, Santiago, Chile
Sep 17 *National Conference on Comfort in the Built Environment (ENCAC) 2017*, Brazil
Sep 16 *Urban Transitions*, Shanghai
Jul 16 *BauChina 2016*, Beijing
May 16 *esim 2016*, McMaster University, Canada
Oct 14 *Syracuse Center of Excellence, Annual Symposium*, Syracuse, NY, USA
Mar 14 *Urban Integration 2014*, Sheffield Hallam University, Sheffield, UK
Aug 12 *SimBuild 2012*, University of Wisconsin, Madison, USA
May 12 *esim 2012*, Dalhousie University, Halifax, Canada
Apr 11 *Simulation for Architecture and Urban Design*, Boston, USA,
Nov 09 *1st Swiss Building and Urban Simulation Conference*, organized by IBPSA-CH, CH
Oct 09 *2nd Symposium on Sustainable Healthy Buildings*, Seoul, South Korea
Aug 07 *IX National Meeting on Environmental Comfort in Buildings*, Ouro Preto, Brazil
May 06 *esim 2006*, University of Toronto, Toronto, Canada

INVITED PRESENTATIONS AND LECTURES

- Dec 18 Archizoom Lecture Series, Ecole Polytechnique Federale de Lausanne, Switzerland
Nov 18 Panel Presentation, GreenBuild, Chicago
Oct 18 Solemma Symposium, Cornell University, New York City
Apr 18 Public Lecture, University College London, UK
Apr 18 Public Lecture, Summer School on Computing Resilience, TU Munich, Germany
Apr 18 Brown Bag Seminar, Karlsruhe Institute of Technology, Germany
Apr 18 Invited Lecture, Fraunhofer Institute for Solar Energy Systems, Germany
Oct 17 DIVA Day Daylighting Symposium, University of California Berkeley, CA, USA
Oct 17 Department Lecture Series, Roger Williams University, Bristol, RI
May 17 International Daylighting Symposium, VELUX Foundation, Berlin
Oct 16 DIVA Day Daylighting Symposium, University of Toronto, Canada
Jul 16 Research Seminar, Tsinghua University, Beijing, China
Dec 15 Research Seminar, IIT Bombay, Mumbai, India
Dec 15 Research Seminar, Universidade de Coimbra, Portugal
Oct 15 Plenum Presentation, New England Clean Energy Center, Boston
Oct 15 DIVA Day Daylighting Symposium, Architecture Association, London

Sep 15 International Daylighting Symposium, [VELUX Foundation](#), London

Sep 15 MIT Solar Day, [MIT Energy Initiative](#)

Sep 15 Urbanization and Sustainable Development, [China World Development Bank](#)

Aug 15 Sustainable Urban Modeling, [MIT Executive Education Program](#)

Jun 15 Beyond Smart Cities Symposium, [MIT Media Lab](#)

Jun 15 Smart Buildings Symposium, [German American Chamber of Commerce](#)

Apr 15 Book Talk, [PG&E Center](#), San Francisco

Apr 15 EFRI Closing Panel, [National Science Foundation Workshop](#), San Francisco

Mar 15 Department Lecture Series, [University of British Columbia](#), BC, Canada

Jan 15 Internal Research Seminar, [ViewGlass](#), CA, USA

Oct 14 Inaugural Department Lecture, [University of Washington](#), Seattle, WA, USA

Oct 14 Smart Cities Symposium, [French American Chamber of Commerce Boston](#)

Sep 14 Brown Bag Lunch, [Synpase Energy](#), Cambridge, Ma, USA

Feb 14 Designing For Future Weather, online seminar organized by [BuidingGreen Inc.](#)

Feb 14 Executive Education Seminar, [Charles Institute](#), Cambridge, MA

Feb 14 Lunch Series, [MIT Concourse](#) – Freshmen Organization

Feb 14 Annual Meeting of the [North American Glass Association](#), Orlando, FL

Jan 14 Energy Accounts: Designing the Future, [University of Pennsylvania](#)

Dec 13 Stars of Building Science, [Royal Academy of Engineering](#), London, UK

Oct 13 External Advisory Board Meeting, [MIT Energy Initiative](#)

Sep 13 Guest Lecture, [Yale University](#)

Jun 13 MIT 20th [Reunion Dinner](#) Evening Speaker

May 13 [b TEC/CIT UPC](#) Annual Meeting, Barcelona, Spain

May 13 Daylighting Symposium, [Velux Foundation](#), Copenhagen Denmark

May 13 Lighting Institute at [Lightfair 2013](#), Philadelphia, USA

Apr 13 Lunch Series [MIT City Science Lab](#)

Mar 13 Interdisciplinary Student Sustainability Summit, [Harvard University](#)

Nov 12 Guest Lecture, [Northeastern University](#)

Nov 12 Software as a Design Choice, Women in Design Panel, [ABX Boston](#)

Oct 12 External Advisory Board Meeting, [MIT Energy Initiative](#)

Sep 12 Cambridge Public Library, Release of the Cambridge Solar Map

Aug 12 Evening Lecture, [IBPSA New York Chapter](#)

Jun 12 Das Haus, Building Technology Forum, [German Chamber Network](#)

Jun 12 Cambridge Day, [City of Cambridge](#), MA, USA

May 12 Brown Bag Seminar, [EYP Architecture & Engineering](#), Boston

Apr 12 Symposium on Sustainability and the Built Environment, [Harvard University](#)

- Apr 12 Guest Lecture, University of Pennsylvania, PA, USA
- Apr 12 Panel on Energy and the Built Environment, MIT Energy Initiative
- Mar 12 Building Technology Lecture Series, MIT, MA, USA
- Feb 12 Guest Lecture, Boston Society of Architects, Sustainable Education Committee
- Jan 12 Guest Lecture, Transsolar, New York Office, New York, USA
- Jan 12 Guest Lecture, Atelier Ten, New York Office, New York, USA
- Dec 11 Ted Talk “Harvard Thinks Green”, Harvard University
- May 11 VELUX 4th Daylight Symposium, Velux Foundation, Lausanne, Switzerland
- Apr 11 Guest Lecture, Catholic University of America, Washington DC, USA
- Mar 11 Seminar Series, Lawrence Berkeley National Laboratory, Berkeley, CA, USA
- Mar 11 Advanced Management Development Program in Real Estate – Class X
- Feb 11 School for Year 2030, GSD/HGSE Advanced Research Seminar, Harvard GSD
- Feb 11 IBPSA USA – Boston Regional Chapter Kickoff Meeting
- Nov 10 Ecological Practices: New Directions in Sustainability Research, Harvard GSD
- Nov 10 National Science Foundation: When Engineering Design Meets Architecture, University of Pennsylvania, USA
- Oct 10 Building Technology Lecture Series, University of Toronto, ON
- Oct 10 Seminar, National Organization of Minority Architects (NOMA) conference
- Oct 10 Building Technology Lecture Series, MIT, MA, USA
- Jul 10 Guest Lecture, University of California at Berkeley, CA, USA
- Jun 10 Climate Change & Indoor Environment Workshop, National Academy of Sciences, Washington DC, USA
- May 10 Daylighting Forum, IESNA, Las Vegas, NV, USA
- Apr 10 Panel Discussion at Design, Infrastructure Sustainability & Social Responsibility,
- Mar 10 Materials Science Seminar Series, Harvard FAS, Cambridge, MA, USA
- Mar 10 Faculty Seminar Series on Sustainable Housing, Joint Center for Housing Studies, USA
- Feb 10 Guest Lecture, Advanced Management Development Program in Real Estate
- Feb 10 Evening Lecture, Harvard Club of New York City, NY, USA
- Jan 10 Building Ecology, S & T Lecture Series, University of Toronto, Canada
- Sep 09 Building Technology Lecture Series, MIT
- Sep 09 Harvard Graduate Consortium on Energy and the Environment
- Aug 09 Fraunhofer Institute for Solar Energy Systems, Freiburg, Germany
- Aug 09 Panel Discussion at Building Simulation Conference 2009, Glasgow, UK
- Aug 09 Building Simulation Conference 2009, IBPSA, Glasgow, UK
- May 09 AIA Philadelphia Chapter, Philadelphia, PA, USA
- May 09 Full-day workshop at KlingStubbins, Philadelphia, PA, USA

- May 09 Daylighting Institute at Lightfair 2009, New York City, NY, USA
- May 09 Daylight Boston 1 - Lecture Series on Daylighting, Harvard University, MA, USA
- Apr 09 Panel Leader Ecological Urbanism conference, Harvard University, MA, USA
- Mar 09 Brownbag Seminar at Simpson Gumbertz & Heger, Waltham Office, MA, USA
- Nov 08 Greenbuild 2008 Offsite Educational Session at the GSD (with a MDesS students)
- Oct 08 Public GSD Panel Discussion (with J. Kayden, C. Werthmann & T. Schroepfer)
- Oct 08 Policy Advisory Board, Harvard Center for Housing Studies (with J. Spengler)
- Oct 08 MArch II Proseminar (with Lluís Ortega), Harvard University, MA, USA
- Jul 08 Seminar Universitaet Stuttgart, Stuttgart, Germany,
- May 08 Daylighting Institute at Lightfair 2008, Las Vegas, USA
- Dec 07 Canadian Green Building Council, Ottawa Chapter, Ottawa, Canada
- Oct 07 MArch II Proseminar (with Toshiko Mori), Harvard University, MA, USA
- Oct 07 CIE/Canada and CIE/USA Annual Technical Conference, Ottawa, Canada
- Jun 07 Building Technology Transfer Forum, Annual meeting, Toronto, Canada
- Apr 07 Harvard University, Cambridge, MA, USA
- Mar 07 Cornell University, Ithaca, NY, USA
- Jan 07 University of Toronto, Toronto, Canada
- Nov 06 IEA Task 31, Final presentation to the Executive Committee, Rome, Italy
- Sep 06 Canada-Japan Research & Development Workshop, Ottawa, Canada
- Sep 06 Professional Engineers of Ontario, Ottawa, Canada
- May 06 Lighting Institute at Lightfair 2006 (with Lisa Heshong), Las Vegas, USA
- Apr 06 Green Building Exposition, Ottawa, Canada
- Mar 06 McGill University, Montreal, Canada
- Oct 05 Massachusetts Institute of Technology, Cambridge, MA, USA
- Jul 05 University of Washington, Seattle, WA, USA
- Apr 05 Lawrence Berkeley National Laboratory, Berkeley, CA, USA
- Jun 04 Dalhousie University, Halifax, Canada
- Jun 04 Building Technology Transfer Forum, Annual meeting, Halifax, Canada
- Oct 03 École Polytechnique, Mechanical Engineering, Montréal, Canada
- Oct 03 CIE/Canada and CIE/USA Annual Technical Conference, Montreal, Canada
- Jan 03 Dalhousie University, Halifax, Canada
- Apr 02 International Energy Agency, Workshop of Task 27 and 31, Copenhagen, Denmark
- Oct 01 International Energy Agency, Expert meeting of Task 31, Berlin, Germany
- Aug 01 Illuminating Engineering Society of North America, Annual Meeting, Ottawa
- Oct 00 Lecture Series at Goethe Institutes in Beirut, Damascus, and Amman

CONFERENCE PRESENTATIONS

- Nov 11 "Learning by doing - Teaching energy simulation as a game", *IBPSA Conference 2011*, Sydney, Australia
- Nov 11 "Shaderade: Combining Rhinoceros and EnergyPlus for the design of static exterior shading devices", *IBPSA Conference 2011*, Sydney, Australia
- Nov 11 "Climate change risks form a building owner's perspective: Assessing future climate and price scenarios", *IBPSA Conference 2011*, Sydney, Australia
- Nov 11 "A 'PICASA' for BPS – An interactive data organization and visualization system for building performance simulation", *IBPSA Conference 2011*, Sydney, Australia
- Sep 07 "Daylight 1-2-3 – A state-of-the-art daylighting design software for initial design investigations", *IBPSA Conference 2009*, Beijing, China.
- Sep 07 "The daylight coefficient method and complex fenestration", *IBPSA Conference 2008*, Beijing, China.
- Aug 05 "A simulation-based review of the ubiquitous window-head-height to daylit zone depth rule of thumb", *IBPSA Conference 2005*, Montreal, Canada.
- Aug 05 "Development and Validation of a Radiance model for a Translucent Panel", *4th Annual Radiance Workshop*, Montreal, Canada.
- Aug 05 "A file format for Dynamic Daylight Simulations", *4th Annual Radiance Workshop*, Montreal, Canada.
- Sep 04 "The Use of Daysim in Building Design", *École Polytechnique*, Turin, Italy.
- June 04 "Key findings from an online survey on the use of daylight simulation programs", *esim 2004* conference, Vancouver, Canada.
- June 04 "Lightswitch – DOE2: A comparison of two manual blind control algorithms", *esim 2004* conference, Vancouver, Canada.
- Mar 04 "Key findings from a survey on the use of daylight simulation programs", *IEA International Daylighting Symposium*, Tokyo, Japan.
- Oct 03 "Lightswitch: A Model for Manual Control of Lighting and Blinds." *CISBAT conference*, Lausanne, Switzerland.
- Aug 03 "The Lightswitch Wizard – Reliable daylight simulations for initial design investigation." *IBPSA Conference 2003*, Eindhoven, The Netherlands.
- Aug 02 "Effects of interior design on the daylight availability in open plan offices.", *ACE³ 2002 Summer Study on Energy Efficient Buildings*, Pacific Grove, California.
- Oct 02 "Effects of Blind Control on the Electric Lighting Energy Demand in Offices." *Joint meeting of Task 31 and CIE Division 3*, Ottawa, Canada.
- Jan 01 "Monitoring and Analysis of Manual Control Strategies for Artificial Lighting and Venetian Blinds of 20 users – Experimental Setup and Preliminary Results.", *7th Symposium on Lighting Buildings* in Staffelstein, Germany.

- Aug 00 “Lean buildings: Energy Efficient Commercial Buildings in Germany.”, *ACE³ 2000 Summer Study on Energy Efficient Buildings*, Pacific Grove, California.
- Jan 00 “RADIANCE – Jahressimulationen des Tageslichtangebotes in Gebäuden – Ein Raytracer viele Ergebnisse.” *6th Symp. on Lighting Buildings*, Staffelstein, Germany.
- Sep 99 “An Evaluation of RADIANCE Based Simulations of Annual Indoor Illuminance Distributions due to Daylight.” *IBPSA Conference 99*, Kyoto, Japan.
- Jun 99 “Die Beleuchtungskonzepte der SolarBau:MONITOR TK 3 Projekte – Eine Übersicht.” *SolarBau:MONITOR daylighting workshop*, Kassel, Germany.
- Jan 99 “Planung eines Büroneubaus – Tageslichtsimulation als Entscheidungshilfe in der Entwurfsphase.” *5th Symposium on Lighting Buildings*, Staffelstein, Germany.

EXHIBITIONS

- Apr 11 “Ceramic Futures”, *Harvard University GSD* (with M Bechthold)
- Nov 08 “Modeling Gund Hall”, *Harvard University GSD*

PUBLICATIONS

BOOKS AND BOOK CHAPTERS

1. Reinhart C F, *Daylighting Handbook II – Daylight Simulations & Dynamic Facades*, second volume in a textbook series on daylighting, <http://www.daylightinghandbook.com/>, release date October 2018
2. Reinhart C F and Davila Cerezo, “Urban Building Energy Modeling,” book chapter in *Building Performance Simulation for Design and Operation*, 2nd edition, Editors J Hensen and R Lamberts, Taylor & Francis, upcoming
3. Reinhart C F, “Daylight Performance Predictions,” book chapter in *Building Performance Simulation for Design and Operation*, 2nd edition, Editors J Hensen and R Lamberts, Taylor & Francis, upcoming
4. Reinhart C F, *Daylighting Handbook I – Fundamentals & Designing with the Sun*, textbook on daylighting, <http://www.daylightinghandbook.com/>, 2014
5. Reinhart C F, “Simulation-based Daylight Performance Predictions,” book chapter in *Building Performance Simulation for Design and Operation*, Editors J Hensen and R Lamberts, Taylor & Francis, 2011
6. Reinhart C F, Wambgsanß M, “Zusammenspiel Kunstlicht/Tageslicht.“ chapter in *Bürogebäude mit Zukunft – Konzepte, Erfahrungen, Analysen*, TÜV Verlag, Colon, Germany, pp.118-130, 2005 (The book won the 2005 Innovation Price of the German Printing Industry.)
7. Reinhart C F, “Energy Efficient Solar Buildings.” chapter in *The Future for Renewable Energies: Prospects and Directions*, James & James, London, pp. 79-114 , 2002
8. Reinhart C F, *Daylight Availability and Manual Lighting Control in Office Buildings – Simulation Studies and Analysis of Measurements*. Fraunhofer IRB Verlag, Stuttgart, Germany, 2001

PAPERS IN REFEREED JOURNALS

1. S Nagpal and C F Reinhart, 2018, “A comparison of two modeling approaches for establishing and implementing energy use reduction targets for a university campus,” *Energy and Buildings*, 173, pp. 103–116
2. P Gianniou, C F Reinhart, D Hsu, A Heller and C Rode, 2018, “Estimation of temperature setpoints and heat transfer coefficients among residential buildings in Denmark based on smart meter data,” *Building and Environment*, 139, pp. 125–133
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