

Curriculum Vitae

EDUCATION

- 2008 & 2013** Qualification for assistant professor (Conseil National des Universités) section 72, epistemology, history of sciences and technology
- 2006** Doctor in art history and archeology, Dissertation: *Modernité technique et valeur d'usage, le chauffage des bâtiments en France*. Adviser: Professor Gérard Monnier, Board of examiners: Professor Denis Woronoff, Jean-François Belhoste, Laurent Baridon, Université de Paris I, Panthéon-Sorbonne, Paris
- 1985-1986** Diplôme d'études Approfondies, Postgraduate Degree in Philosophy and culture: *Fonctionnalisme*, Adviser: Olivier Revault d'Allonnes, Université de Paris I
- 1978 –1985** Diplôme d'Architecte D.P.L.G., post graduate degree in architecture with highest honors, *Les Roches Noires: monographie d'un grand hôtel*, a historical, architectural, technical and aesthetic study. Adviser: Claude Schnaidt, Paris-Villemin architecture school, Paris
- 1978** Baccalauréat C (mathematic and physic) Maurice Ravel high school, Paris

LINGUISTIC ABILITIES

Fluent English, papers written in English, TOEFL 1997 (600/677), German read and spoken, understanding of Italian and German roots languages.

ASSOCIATIVE ACTIVITIES

- 2013** Member of Dococomo France
- 2010-2013** Member of the CIBSE Heritage Group
- 2010-2013** Member of the association Francophone d'histoire de la construction
- 2002-2013** Member of the International Committee for Technology of docomomo
- 2005-2006** Member of the scientific committee of the 9th international conference of docomomo
- 2000-2002** Member of the organizing committee of the 7th international conference of docomomo
- 2000-2002 & 1994-1996** Secretary of Docomomo France (international working party for documentation and conservation of buildings, sites and neighbourhoods of the modern movement)

WORK EXPERIENCE

Research

- 2013** Research on technical and architectural history of early swimming pools in Paris and Sauvage's Amiraux swimming pool for the next restoration by F. Chatillon, ACMH
- 2013** Research on fuel prices for lighting and heating in Paris since 1806
- 2012-2013** Research fellow in l'IPRAUS, Paris-Belleville architectural national high school (UMR AUSser CNRS 3329)
Participation in the Labex research group *Futurs urbains* Energy efficiency Seminar
- 2010-2013** Scientific chief of a multi-disciplinary research team working on history of the energy consumption of public buildings in Paris over the long term "*From the Depths of the Cellar to the Canopy, history and Prospective on Energy Policy in a Economy-concouis Capital (1770-2050)*"; a public tender: *Looking at Architecture, the City and the Landscape Throught the prism of Energy, (Ignis Mutat Res)*.

- 2008-2012** Research fellow in the *Centre d'histoire des techniques et de l'environnement*, Conservatoire National des Arts et métiers, Paris
- 2011** Research on Solar energy before 1973 and on tracks on heating devices in the Labrouste's Libraries
- 2010-2011** Research for an heritage study on 9 campus in France 1950-1980 for the Ministère de l'éducation nationale
- 2010** Historical researches on the COSTIC (1906), association doing teaching and research on building's thermal technology for a book with *Com'une Histoire*
- Historical researches on the heating system of the Salvation Army asylum in Paris, Le Corbusier 1933, through archives and archeological tracks for next renovation
- Historical researches on the different heating system of the *Unités d'Habitation* by Le Corbusier for Docomomo-Mexico with Vanessa Fernandez
- 2009** "*Ensembles urbains, 1940-1977, les ressorts de l'innovation constructive*", "*Urban blocks, 1940-1977, strings of constructive innovation*", with Valérie Nègre, Guy Lambert and Denyse Rodriguez-Tomé, CDHTE-CNAM for the direction de l'architecture et du patrimoine, Ministère de la Culture
- 2008 – 2009** Historical researches on construction and heating of the Bourse Palace in Paris
- 2008** Post doctorate grant in the *laboratorio di analisi del costruito*, *Dipartimento di Architettura e Pianificazione*, *Politecnico di Milano*, Assesment and setting up of a European group on history of heating
- 2007-2008** Research on the marquis Jean-Baptiste Marie Frédéric de Chabannes (1770-1835), professional officer, inventor, pioneer of central heating
- 2006-2007** Research on archives sources on modern architecture in Martinique
- 2005-2006** Research on Jean-Simon Bonnemain (1743-1830) physicist, mechanic engineer, pioneer of hot water central heating
- 2002** Historical researches on the origin of Villeurbanne's Skyscrapers
- 2000** Historical and iconographic researches and consulting curator for the exhibition "*Les Roches Noires, histoire d'un grand hôtel*", "*The Roches Noires, history of a Palace*", Trouville-sur-Mer Museum
- 2000** Documentation research on the different technical networks present under the Tuileries's gardens for Gest'Art and the SDAP Paris
- 1996** Research on heating history in Avery Library, "Architecture and Fine Arts" department of Columbia University, New York City
- 1995** Research for firm history books on the CPCU (Paris district heating) and Missenard Quint Society (heating firm), with Adage Communication
- 1995** Historical researches on the district heating in Villeurbanne (1928)
- 1986-1987** Contribution of an "*Anthologie raisonnée sur le fonctionnalisme*", "*Reasoned anthology on functionalism*", architectural research in Paris-Villemin architecture school, directed by Claude Schnaidt

Academic activities

- 2010-2013** *Research and writing workshop*, Architecture and Heritage, DSA, Ecole Nationale d'Architecture Paris Belleville
"Thermal comfort, devices and, 19th and 20th centuries", for Architecture, techniques et environnement, lecturer: Guy Lambert, Ecole Nationale d'Architecture Paris Belleville
- 2010** *"Cultural sensibilisation to thermal design heritage"*, INSA Strasbourg in the COSTIC, Saint-Rémy-les-Chevreuses
- 2008** *"Impianti e reti nell'edilizia storica"*, Dipartimento di Architettura e Pianificazione, Politecnico di Milano
- 2007 & 2003-2004** *Introduction of technical devices, 19th and 20th centuries: heating and ventilation*, in the program *"Science and conscience of patrimony"*, graduate class, Ecole d'Architecture Paris Belleville, lecturer: Daniel Bernstein
- 1991-1994** Temporary assistant professor, l'Institut Universitaire de Technologie in Cergy-Pontoise, Paris X : *"Construction"*, *"Architecture and town planning"*
- 1991-1992** *"History of habitat"*, undergraduate degree in Orléans art school
- 1990-1998** *"Technology in contemporary architecture"*, undergraduate degree in art and archeology in the art Institut, Université de Paris I, Panthéon-Sorbonne
- 1990-1992** *"History of architecture"* et *"History of art"* in the Ecole Française d'Enseignement Technique, Paris
- 1989-1990** *"Space and communication"* in the Institut de Communication Visuelle, a school of the Union Centrale des Arts Décoratifs, UCAD
- 1987-1988** *"History of modern architecture"*, undergraduate building class in the Ecole Nationale des Travaux Publics de l'Etat

Architecture, design, edition and graphic design

- 2012-2013** Renovation of a loft in Montreuil-sous-Bois
- 2011** Lofts in Montreuil-sous-Bois
- 2003-2011** Webmaster of my website www.emmanuellegallo.net
- 2010** Editor and graphic designer *Documents pour l'histoire des techniques*, DHT n°19
- 2004-2008** Several architecture projects with Pascale Langrand architecte
- 2003-2005** Webmaster and editor of docomomo international website
- 2002** Editor of Docomomo France *Bulletin* n°7
- 2001-2002** Webmaster and editor of docomomo France website
- 1995-1998** Consultant in real estate and heating, interior design
- 1985-1992** Practicing Architect
- 1980-1984** Draftsman

REFEREED CONFERENCES

- 2013** *"De l'importance de l'étude des systèmes techniques du patrimoine architectural du XX^e siècle pour des restaurations éclairées"* and *"Hypothermos, Temperierung, Tempering"*, Multidisciplinary Seminar Energy Efficiency, IPRAUS, ENSA Paris-Belleville, February 13, with Vanessa Fernandez

- 2013 *“La traduction des ouvrages et traités de chauffage des bâtiments (XVII^e-XIX^e siècles)”*, Journées d’études INHA, *Traduire l’architecture*, January 17, Paris
- “Le Corbusier: Facade Technology and Indoor Climate – Salvation Army City of refuge Paris, 1933”*, Technology in Modern Movement 1918-1975, International DOCOMOMO Technology Seminar, January 25, Karlsruhe, with Vanessa Fernandez
- 2012 *“The Regional Traditions and Climatic Influences on Heating Systems in France, The House, its Space and the Climatic Change*, Research Seminar, Moesgard, Aarhus University, 5 December, Aarhus.
- “Culture et confort thermique, le chauffage des bibliothèques Impériale et Sainte Geneviève, colloque international”*, INHA, *Henri Labrouste (1801-1875) et son temps*, INHA, November 22, Paris
- “La cité de refuge de l’armée du salut : confort thermique et contrôle de l’ensoleillement”*, EPFL, *Les dispositifs de confort dans l’architecture du XX^e siècle connaissance et stratégies de sauvegarde*, September 12, Lausanne, with Vanessa Fernandez
- “Scientific Developments of Heating and Ventilation Professional Unions and Learned Societies in France during the First Part of the 20th Century”*, 4th International Congress on Construction history, CNAM, ENSAPM, ENSAPV, July 7, Paris
- ‘Ah, qu’il fait bon ici’, François Cointeraux, pionnier du chauffage, de la cuisine et de la lutte contre les courants d’air*, LARHRA (UMR 5190) and INHA, May 10, Lyon
- L’émergence du « solaire » avant 1973 chez les inventeurs et les thermiciens*, François Viète Center, February 7, Nantes
- 2011 *“Zehnder, d’un tube à l’autre : de la bicyclette au radiateur”*, 22nd International Cycling History Conference, Conservatoire National des Art et Métiers, May 28, Paris
- 2010 *“‘A Factory for Well-being’, Innovation in the Heating System and the Curtain-Wall in Le Corbusier’s Salvation Army ‘City of refuge’, Paris 1933*, with Vanessa Fernandez, *Living in Urban Modernity*, Docomomo 11th conference, August, Mexico City.
- 2010 *“La cuisson chez les inventeurs pionniers d’appareils de chauffage (1780-1830)”*, colloque international, Les modes de cuisson alimentaires du feu traditionnel à la vaposaveur : techniques, matériels, rituels et alimentation de la Préhistoire au XXI^e siècle, CerMAHVA & iehca, November 24, Tours
- 2009 *“Un pont lancé sur la mer : la jetée promenade”*, *Ponts d’ici, Ponts d’ailleurs : constructions, archives et mémoires*, SeaCDHTE-Cnam and “Technique, Territoire et Architecture” du CDHTE-CNAM, *L’art du vide, les ponts du génie français en métropole et dans le monde*, Archives Nationales du Monde du Travail, March 9, Roubaix
- 2008 *“La contribution du Marquis de Chabannes (1762-1836) à l’innovation en matière de construction de chauffage et d’urbanisme”*, first French-speaking congress on construction history, CNAM, ENSAPM, Paris, June 21
- ^s
2007 *“Per una storia des comfort e dei suoi apparati, Sistemi di riscaldamento centrale in Francia tra XVIII e XIX secolo”*, Seminario di studio : *Edifici storici e impanti*, Dottorato di Ricerca in Conservazione dei Beni Architettonici, Facoltà di Architettura e Società, Politecnico di Milano, March 9

- 2007 *"The lessons that can be drawn from the history of heating regarding the present situation, from a french perspective"*, International Energy History Conference, Esbjerg, Danemark, February 7-8
- 2006 *"Jean Simon Bonnemain (1743-1830) and the Origins of Hot Water Central Heating"*, 2nd International Congress on Construction History, Queens' College, Cambridge, UK, March 29 – April 2
- 2005 *"Les ouvrages techniques sur le chauffage des bâtiments d'habitations, des inventeurs aux ingénieurs"*, *Les Avatars de la littérature technique*, CDHTE, CNAM, INHA, Paris, March 3, 4 and 5
- 2005 *"Modern Movement Architecture and Heating Innovations in France 1900-1939"*, 9th International Docomomo Technology Seminar, *Climate and Building Physics in the Modern Movement*, Löbau, Germany
- 2002 *"La réception et le quartier des Gratte-ciel, centre de Villeurbanne, ou pourquoi des Gratte-ciel à Villeurbanne en 1932"*, VII^e conférence internationale de Docomomo, *Image, usage, héritage : la réception de l'architecture du mouvement moderne*, Unesco, Paris, September 16-19
- 1997 *"American influences on Villeurbanne's town center and district heating in the 30's"*, Society for the History of Technology Annual Meeting in Pasadena
- 1994 *"Le chauffage urbain du quartier des gratte-ciel de Villeurbanne"*, colloque "Citadins, techniques et espaces urbains du XVIII^{ème} siècle à nos jours", CNRS, l'IHMC et la Cité des Sciences et de l'Industrie, January 25-27

NON-REFEREED CONFERENCES

- 2008 *"Sur le fonctionnalisme"*, Design school in Nantes, January 8
- "De l'émergence des méthodes du chauffage moderne et leurs diffusions au XX^{ème} siècle siècle dans le logement"*, Patrimoine moderne et ambiances intérieures, DSA Architecture and Heritage, Ecole d'Architecture Paris Belleville, February 11
- 2005 *"Paris, chauffage, fabrication invention, XVIII^e, XIX^e"*, paper for the seminar *Histoire de l'industrie parisienne* direction Jean-Francois Belhoste, Centre Albert Chatelet, Ecole Pratique des Hautes Etudes, Paris, March 30
- "chauffage et réglementation incendie"*, paper for the seminar *Histoire du droit et technique* direction Robert Carvais, Université Panthéon-Assas, CNRS (UMR 7105), Paris, June 6
- 2003 *"Histoire du chauffage"*, Ecole d'Architecture Rouen
- 2002 *"La réception des nouveaux modes de chauffage domestiques en France au XIX^e siècle"*, paper for the seminar of the DEA "histoire de l'architecture", Institut d'art et d'archéologie de Paris I
- 2001 *"L'hôtel de Ville de Boulogne-Billancourt, le bâtiment, sa construction"*, day training for Lecturer in Picardy, for the office culturel Régional de Picardie, Boulogne-Billancourt, April 26
- 2000 *"Les Roches Noires, d'un travail de diplôme à l'édition"*, paper for the seminar Master of architectural history, Institut d'art, Paris, May 22

- 2000 "L'usage de l'iconographie comme mode de datation des différentes modifications d'un bâtiment à travers l'exemple de l'hôtel des Roches Noires à Trouville", day training for Architectes des Bâtiments de France, Paris, September 13
- 1997-1998 "Deux questions d'histoire : méthode et contenu", CEEA History and Heritage, Lille architecture school, Lille, April 29
"Histoire du chauffage", Rennes Architecture school
- 1997 "History of heating and town planning, in France during the modern and contemporary period", Columbia University in Reid Hall, April 2, Paris
- 1992 "Les Roches Noires, du grand hôtel à la résidence; évolution du confort d'un habitat de luxe", paper for the seminar DEA "histoire de l'architecture", Institut d'art et d'archéologie de Paris I
- 1991 "les ascenseurs dans l'histoire de l'architecture", interview for the Ateliers de Créations Radiophoniques, France Culture, Paris
- 1990 "Histoire des moyens de chauffage : nouveaux champs de recherche et carrefour interdisciplinaire", paper for the seminar of DEA "histoire de l'architecture", Institut d'Art et d'Archéologie de Paris I

REFEREED PUBLICATIONS

Refereed collective publications:

- 2012 *Scientific Developments of Heating and Ventilation Professional Unions and Learned Societies in France during the First Part of the 20th Century*, « Nuts & Bolts of Construction History - Culture, Technology and Society », Picard, Paris, vol. III, p. 299-307.
"Réseaux de chauffage et Climatisation", *La Défense - dictionnaire – atlas*, Parenthèse, Marseille, 2012, p. 103-104.
"Scientific Developments of Heating and Ventilation Professional Unions and Learned Societies in France during the First Part of the 20th Century", *Nuts & Bolts of Construction History - Culture, Technology and Society*, Picard, Paris, vol. III, p. 299-307.
- 2011 "The importance of the study of original technical devices in 20th century architectural heritage, for a well-reasoned conservation approach", « Criteria for Intervention in the Twentieth Century Architectural Heritage », *CAH 20thC*, Madrid
- 2010 "La contribution du Marquis de Chabannes (1762-1836) à l'innovation en matière de construction, de chauffage et d'urbanisme", *Actes du premier congrès franco-phone d'histoire de la construction*, CNAM, ENSAPM, Picard, Paris, p. 1117-1126.
Un pont lancé sur la mer : la jetée promenade, L'art du vide, Ponts d'ici et ailleurs, Trois siècles de génie français, XVIII^e-XX^e, ANMT, Somogy, Paris, 2010, p. 76-85.
- 2008 "The lessons that can be drawn from the history of heating regarding the present situation, from a french perspective", *The Culture of Energy*, Cambridge Scholars Publishing, Newcastle, p. 268-280.

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- 2008 "Les ouvrages techniques sur le chauffage des bâtiments d'habitations, des inventeurs aux ingénieurs", *La construction savante*, (dir.: J.-P. Garric, V. Nègre, A. Thomine), Paris, Picard, 2008, p. 347-356.
- 2006 "*Modern Movement Architecture and Heating Innovations in France 1900-1939*", *Climate and Building Physics in the Modern Movement*, Preservation technology, dossier 9, Docomomo International, p. 91-96.
- "Jean Simon Bonnemain (1743-1830) and the Origins of Hot Water Central Heating", *Proceedings of the 2nd International Congress on Construction History*, Construction History Society, vol. 1, p. 1043-1060.
- 2006 "La réception des nouveaux modes de chauffage domestique en France au XIX^e siècle", *L'architecture : la réception immédiate et la réception différée. L'œuvre jugée, l'édifice habité, le monument célébré*, dir. Gérard Monnier, Publications de la Sorbonne, p. 37-51.
- 2005 "La réception et le quartier des Gratte-ciel, centre de Villeurbanne, ou pourquoi des Gratte-ciel à Villeurbanne en 1932", VII^e Docomomo international conference, *Image, usage, héritage : la réception de l'architecture du mouvement moderne*, Presse Universitaire de Besançon, Besançon, p. 149-152
- 2004 "*Thermal comfort in the Viipuri library*", *Construction for sensations*, Docomomo ISC/T, Copenhagen, p. 100-105
- "*Chauffage et ventilation*", *Le Paris des centraliens, bâtisseurs et entrepreneurs*, Action Artistique de la ville de Paris, Paris, p. 199-201, with Alice Thomine, dir. Jean-François Belhoste
- 2003 "*La construction en France milieu XIX^e - début XX^e siècles, le cas de l'architecture domestique des frères Leseine*", catalogue d'exposition Musée de Colombes : "*Leseine frères, architectes à Colombes*", p. 7-9
- 1999 "Mon quartier", "Eau courante à tous les étages", "De l'évier à la rivière", "Décharge interdite", "On a ouvert une tranchée dans le trottoir", "Transports en commun", *La grande encyclopédie des sciences*, Fleurus et la Cité des Sciences
- 1997 "*Chauffage*", *L'art de l'ingénieur, constructeur, entrepreneur, inventeur*, catalogue – dictionnaire de l'exposition au Centre Georges Pompidou, Centre Georges Pompidou – Le Moniteur, Paris, p. 116-117
- 1989 "*Penser la bibliothèque*", *Au Figuré*, n° 2, Paris
"*Des inconforts de la lecture*", *Au Figuré*, n° 4, Paris
- "*Räumliche und soziale Strategien zur Sicherung des Wärmekomforts*", *Wissenschaftliche Zeitschrift der Hochschule für Architektur und Bauwesen Weimar*. 5. internationales bauhaus Kolloquium, Weimar

Refereed journal articles:

- 2007 "*Modernismo, arquitectura y calefacción. Innovaciones en Francia, 1900-1939*", *de Edificación*, n° 36-37, Pamplona, p. 118-124.
- 2005 "*La Martinique moderne, études de cas*", *Le mouvement moderne dans les îles Caraïbes*, *Docomomo Journal*, n°33, with Jean Doucet, p. 72-79, trilingual edition french, English, Spanish
- "*Les fenêtres de l'Observatoire de Paris*", *Chronique Architecture et sciences (XVII^e et XVIII^e siècles)*, *Bulletin Monumental*, 163-III, p. 266-267

- 2003 "Skyscrapers and District Heating : an inter-related History, 1876-1933", *Construction History*, Vol. 19, p. 87-106

NON-REFEREED PUBLICATIONS & POSTERS

Books:

- 2000 "*Les Roches Noires*", les Cahiers du Temps, 128 p., ill.

Posters:

- 2004 "*Swimming in Utopia, Building Conservation and Ephemeral textile Swimming-pool Superstructures*", 8th Docomomo international conference, *Import-Export Postwar modernism in an Expanding World, 1945-1975*, September 26-October 2, Columbia University, New York
- 2003 "*Ventilating and Heating Lariboisière Hospital, a Scientific Debate in Paris 1848-1878*", for the 3rd international conference for the History of Hospitals, "*Form+Function, the Hospital*", McGill University, Montréal, June 19-21

Non refereed journal articles:

- 2007 Paper for *Architecture et technique, Le Moniteur* : "*Un centre technique contrasté à Sevran*", "*Un loft en espace contraint chez les canuts*", "*Crèche 60 berceaux, ville de Puteaux*", July 20, August 17, September 28
- 2005 "A quoi servent (encore) les historiens de l'architecture ? " page Horizon, *Le Moniteur*, February 11, p. 378, n°5281.
- 2002 "*Restauration et restructuration de l'usine Van Nelle à Rotterdam*", *Docomomo France Bulletin*, n°7, June, p. 3-5
- 2001-2002 *Domestic heating history and lighting history*, for *Architecture A Vivre*, n°5, 6, 7, 8,
- 1992-1994 *Histoire du chauffage*, 7 papers for *Energies* newspapers for the district heating firm Cofreth (Elyo)