

## David BIHANIC

Born on May 6<sup>th</sup>, 1977, in Saint-Nazaire (France). Married, two children

Associate professor at the University of Valenciennes and Hainaut-Cambresis

Ph.D in Arts & Design degrees from University of Paris I Pantheon-Sorbonne

Permanent researcher at the CALHISTE Laboratory (Culture, Arts, Literature, History of Societies, and Foreign Territories, EA 4343)

Associated researcher (honorary member) at the Laboratory of Theoretical and Applied Aesthetics, also at the Aesthetics Research Centre, and at the Environment and Design Research and Study Centre

Expert adviser in data design, former studio project director (digital design project studio) at Les Ateliers-Paris Design Institute (“ENSCI-Les Ateliers”<sup>1</sup>)

Founder and Chairman/CEO of the FXDESIGNSTUDIO Company,  
Design consultant for large clients in the public and private sectors

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## Education

1995 Final High School graduation, La Baule

2000 **Post graduated in Fine Arts Studies**, National degree DNSEP (Higher National Diploma of Fine Arts Studies), Fine Arts School of Rennes

2001 **Master’s degree (MBA) in Visual and Digital Arts** with highest honours, University of “Haute Bretagne” (Brittany)

2007 **Ph.D in Arts & Design degrees** with highest honours, University of Paris I Pantheon-Sorbonne

2008 Qualified as an Associate Professor in Arts & Design from National Council of French Universities (“Conseil National des Universités”): section 18<sup>o</sup>

## Work experience

2000-2002 **Graphic designer**, Artefacto (Digital Design Firm), Rennes

2003 **Information designer**, Express-Expansion Press Group, Paris

2003-2005 **Information designer**, Thomson R&D France, Rennes

2003-2005 **Research fellow**, University of Paris I Pantheon-Sorbonne, Paris

2003-2005 **Assistant professor**, University of “Haute Bretagne”, Rennes

2005-2006 **Guest lecturer**, Polytech Nantes<sup>2</sup>

2006-2007 **Teacher**, The Ecole de Design de Nantes Atlantique<sup>3</sup> (EDNA)

2007-2008 **Teacher-researcher**, Scientific and Technological Research Coordinator, EDNA

2008-2011 **Associate professor**, University of Clermont-Ferrand I

2010-2012 **Project studio director**, Les Ateliers-Paris Design Institute, Paris

Since 2006 **Design consultant**, Founder and Chairman/CEO of FXDS company, Lille

Since 2011 **Associate professor**, University of Valenciennes and Hainaut-Cambresis (UVHC)

Since 2012 **Expert adviser**, Les Ateliers-Paris Design Institute

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<sup>1</sup> Les Ateliers-Paris Design Institute is the only French National Institute exclusively devoted to industrial design. A public commercial and industrial establishment supervised by the Ministry of Culture and the Ministry of Industry.

<sup>2</sup> School of engineering of the University of Nantes.

<sup>3</sup> School of Industrial Design managed by the Chamber of Commerce of Nantes (France).

## Professional assignments (selection)

- 2001-2006 Permanent researcher at the Visual Arts Study and Research Centre, EA 2479
- 2004 **Organising co-chair** of the CNRT seminar on cross-disciplinary approaches to the Software Engineering, Thomson R&D France, October 12-13, 2004, ETI – IRISA, Rennes
- 2006-2008 **Lead researcher**, SEISM (Scenario Editing Interactive State Machine) project – research project sponsored by the French National Research Agency (ANR), in partnership with the Ecole des Mines de Nantes, EDNA, and the Succubus Interactive Company
- 2006-2011 Permanent researcher at the Laboratory of Theoretical and Applied Aesthetics (EA 2478), also at the Aesthetics Research Centre, and at the Environment and Design Research and Study Centre; associated researcher at the established pole for research and higher Education HéSaM (for Hautes Etudes-Sorbonne-Arts et Métiers)
- 2007-2008 **Scientific & Technological Research coordinator**, EDNA
- 2007-2008 **Conference program coordinator**, 4<sup>th</sup> Design Research Symposium (“Atelier de la Recherche en Design”), June 12-13, 2008, Nantes
- 2007-2009 **Guest researcher** at the Institute for Research and Innovation (IRI) – The Centre Pompidou (residency program financed by Microsoft France)
- 2008-2009 **Organising co-chair** of the 1<sup>st</sup> Conference on Virtual Physical Bodies & Virtual being, University of Clermont-Ferrand I, June 22-24, 2009
- 2008-2011 **Head of Internships & Industrial Partnerships**, The “Services and Communication Networks Department” of the Institute of Technology, University of Clermont-Ferrand I
- 2010 **Ph.D thesis committee member**, The “Presence and Innovation” Research Laboratory, Arts et Métiers ParisTech. Ph.D Thesis defended on November 20, 2010 by Grégoire CLIQUET, Title: “Method of innovation in the era of Web 2”
- 2010-2011 **Undergraduate program director**, Head of the Bachelor’s degree in Design, Technologies & Internet (DTI) – Digital Products/Services Design and Development, University of Clermont-Ferrand I
- 2010-2012 **Research team coordinator**, The Paris DesignLab composed of permanent and guest researchers from the University of Paris I Pantheon-Sorbonne, the University of Paris IV-Sorbonne, the University of Paris Descartes, the University of Paris VIII Vincennes Saint-Denis and managers as well as the designers-teachers from Les Ateliers-Paris Design Institute
- 2012 **Ph.D thesis committee member**, The Laboratory of Theoretical and Applied Aesthetics, University of Paris I Pantheon-Sorbonne. Ph.D Thesis defended on January 20, 2010 by Maryam KHALILI, Title: “Sensory design and tactile objects”
- Since 2010 **Director of Data Design Research program** (Head/Designer-Researcher), “Data<sup>3</sup>Design: DataObjects, DataVis & DataFlow Design”<sup>4</sup>, The Paris DesignLab of Les Ateliers-Paris Design Institute
- Since 2009 **Expert committee member** at the Quebec Fund for Research on Society and Culture (FQRSC), Quebec Minister of Economic Development, Innovation and Export (MDEIE).
- Since 2011 Permanent researcher at the CALHISTE Laboratory (EA 4343)
- Since 2012 **Postgraduate program director**, Head of the Master’s degree in Digital Arts/Design, and Technology, University of Valenciennes and Hainaut-Cambresis (UVHC)

## Other teaching appointments

- Since 2009 **Visiting professor**, Joint Design Workshop of the University of Paris I Pantheon-Sorbonne, Telecom ParisTech (ATHENS program), and Les Ateliers-Paris Design Institute
- Since 2010 **Visiting professor**, Joint Master's degree program in Design & Environment of the University Paris I Pantheon-Sorbonne, and Telecom ParisTech (in partnership with Les Ateliers-Paris Design Institute)

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<sup>4</sup> Area of research: “Urban design and social innovation, when city becomes a living laboratory”, award-winning research proposal from the “Emergence(s) 2010” call for projects of the City of Paris.

Since 2011 **Visiting professor**, Joint Master's degree in Digital Design & Technology of the CNAM<sup>5</sup>, the French for National Audiovisual Institute (INA), and the University Paris 8 Saint-Denis (in partnership with Les Ateliers-Paris Design Institute)

## Ph.D. theses & projects supervised

- 2008-2011 **Student's design projects supervised** (about thirty projects) of the Bachelor's degree in Design, Technologies & Internet (DTI) – Digital Products/Services Design and Development, University of Clermont-Ferrand I
- 2011 **Design project supervisor** (Industrial Designer degree) of Eric MAUCOUT, Les Ateliers-Paris Design Institute
- Since 2007 **Ph.D thesis co-supervisor** of the Clement GAULT's ongoing thesis/dissertation (Industrial Research Partnership/CIFRE Convention with Orange) in collaboration with Pr Christine CHEVALLEREAU, Director of the Robotics Research Lab ("L'Institut de Recherche en Communication et Cybernetique de Nantes – IRCCyN, UMR CNRS 6597") of the University of Nantes, Dr Cedric DUMAS, Associate Professor at the Ecole des Mines de Nantes, and also Dr Emmanuel MAHE, Senior Consultant at Orange labs, Dissertation title: Tangible/active user interface systems for communication
- Since 2009 **Ph.D thesis co-supervisor** of the Pierrick THEBAULT's ongoing thesis/dissertation (Industrial Research Partnership/CIFRE Convention with AlcatelLucent) in collaboration with Pr Simon RICHIR, Director of the "Presence and Innovation" Research Laboratory of Arts et Métiers ParisTech, Dr Henri SAMIER, Director of the Innovation branch of Arts et Metiers ParisTech, and also Frederique PAIN, Head of User Experience Design of Bell labs (Alcatel-Lucent), Dissertation title: Enhancing user experience design for the web things
- Since 2011 **Student master's design projects supervised** (about ten projects per year) of the Master's degree in Digital Design and Engineering, UVHC
- Since 2012: **Ph.D thesis co-supervisor** of the Eulalie Pierquin's ongoing thesis/dissertation in collaboration with Pr Patrizia Laudati, Head of sector "Civil Engineering, Architecture and Urbanism" at UVHC, Dissertation title: "Digital city & creative mobility: toward a re-enchantment of the city through new technologies for creative expression".

## Research fields

- Aesthetics & Contemporary Design theories
- Art, Design and Creative Informatics; end-user Interface Design {map-like, tangible, relationship-based interfaces etc.}; Information/Data Visualisation; Creative Digital Design process
- Phenomenology, Hermeneutics, and Philosophical Anthropology (how Phenomenology inspire Anthropology)/Anthropology of space, place and habitat (between Architecture and Design)

## Awards & recognition

- 2010 **Award-winning research proposal** of the "Emergence(s)" call for projects: a research grant program<sup>6</sup> of the City of Paris launched at the initiative of Jean-Louis MISSIKA and Jean-Marie LE GUEN
- 2010 **Award-winning research project** of the RNSC/ISC-PIF call for projects: an innovative research grant program of the French National Network of Complex Systems (RNSC), and the Institute of Complex Systems of Ile-de-France (ISC-PIF)
- 2011 **Award-winning research proposal** of INFORSID call for projects: a research grant program in Information System Design and Engineering of the INFORSID conference, and the French Research Group "Information - Interaction -Intelligence" (GdR-i3)
- 2012 **Award-winning research project** of MESHS 2012-2013 (European Centre for Human Sciences – USR 3185) call for projects: a research grant program supporting emerging proposals and develop excellence in research activities in the social sciences and humanities. Research topic: "user

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<sup>5</sup> A Public Scientific, Cultural and Professional Institution, classed as a "grand établissement", among France's top higher education establishments.

<sup>6</sup> The funding was granted for a three-year period (2010-2012).

empowerment: the end-user engagement in ongoing development of digital/technological products and services – Interdisciplinary studies & combined approaches”

## **Publications, invited Lectures, and conference presentations**

- 11 journal papers and conference publications
- 5 book chapters
- 4 magazines papers
- 2 reports on scientific research (related to software design)
- 15 lectures (keynote, plenary, and distinguished lectures)
- 1 patent (international patent issue)
- 5 design projects (digital and data design)
- 4 exhibitions, and public demonstrations/presentations

## **Six most significant publications**

1. David BIHANIC. Hypermaps: the schemes of meaning (“Les hypercartes, des schèmes de signification”). Book chapter in the collective volume “Information and visualisation: issues, research and applications” – “Information & visualisation : enjeux, recherches et applications” (dir. Sophie CHAUVIN), Cepaduès Edition Press (France), September 2008, Chapter 8
2. David BIHANIC. On technical/technological artifact-mediated communication (“De l’objet à la media[tisa]tion technique”). Book chapter in the collective volume “On the multimedia experience. Cultural issues in practice” – “De l’expérience multimédia. Usages et pratiques culturelles” (dir. Nicole PIGNIER), Hermès-Lavoisier Edition Press (France), July 2009, Chapter IV.9
3. David BIHANIC. Living tomorrow (“Habiter demain”). Book chapter in collective volume “The virtual living of the physical body” – “De l’espace du corps en présence” (dir. Pascale WEBER et Jean DELSAUX), University *Presses* of Nancy, Coll. “Epistemology of the body” (dir. Bernard ANDRIEU), March 2010, 155-171
4. David BIHANIC, Thomas POLACSEK. Visualisation of Information Systems: a multiple extended viewpoints approach (“Visualisation de Systèmes d’Information : une approche par points de vue étendus”). In proceedings of 29<sup>th</sup> INFORSID symposium, The “Ecole Centrale de Lille”, May 24-26, 2011
5. David BIHANIC, Thomas POLACSEK. Visualisation of Complex Information Systems (“Visualisation de Systèmes d’Informations Complexes”). In *Studia Informatica Universalis Scientific Journal*, Vol. 10, Special issue on Complex System Modeling, June 2012, [29 pages]
6. David BIHANIC, Thomas POLACSEK. Models for visualisation of Complex Information Systems. In Proceedings of the IEEE Symposium on Information Visualisation 2012 (16<sup>th</sup> International symposium), IEEE Computer Society, Montpellier, July 10-13, 2012