

CURRICULUM



RAFAEL IGNACIO LACRUZ-RENGEL

Universidad de Los Andes, Facultad de Arquitectura y Diseño,
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Place and date of birth: Merida, Venezuela, 1969
Profession: Architect and Industrial Designer
Professional body: Colegio de Ingenieros de Venezuela

EDUCATION

- September 2009 **Postgraduate Diploma in History of Design & Material Culture**
School of Historical and Critical Studies, Faculty of Architecture and Art, University of Brighton, United Kingdom.
- May 2009 **Doctor of Philosophy** (Thesis in Product Design)
Birmingham Institute of Art and Design
Birmingham City University, United Kingdom.
- June 1997 **Master of Arts in Industrial Design** (With Distinction)
Birmingham Institute of Art and Design
University of Central England in Birmingham, United Kingdom.
- June 1996 **Postgraduate Diploma in Industrial Design**
Birmingham Institute of Art and Design
University of Central England in Birmingham, United Kingdom.
- April 1994 **Course on Semiotics and the Visual Arts**
Council for Postgraduate Studies, Faculty of Architecture,
University of Los Andes, Merida, Venezuela.
- September 1993 **Bachelor (Hons) of Architecture**
(3º Best in a class of 34 students)
Faculty of Architecture, University of Los Andes,
Merida, Venezuela.

- June 1987 **High School Diploma**
Covington Latin School, Kentucky, USA.
- July 1986 **High School Diploma in Sciences**
La Salle High School, Merida, Venezuela.

PROFESSIONAL EXPERIENCE¹

- January - August 1995
Manager and Head designer
Arquetipos – Architecture and design office
Merida, Venezuela.
- May 1994 - August 1995
Co-ordinator of design for publications
Commission of Information, *Pastoral Council*,
Universidad de Los Andes, Merida, Venezuela.
- April - December 1994
Associate Architect
Puche, Martinez y Asociados C.A. - Architectural office,
Merida, Venezuela.
- July - December 1992
Architectural and interior designer
Constructora Oliva C.R.L. - Building Company, Merida, Venezuela.
- March - July 1992
Architectural Assistant
Constructora Oliva C.R.L. , Merida, Venezuela.
- July - September 1991
Architectural designer
Internship at the *Ministry of Urban Development*,
Maturin, Monagas State, Venezuela.

¹ See table of design projects at the end of this CV.

TEACHING EXPERIENCE

- December 2010 **Visiting Professor**
Seminar of Semiotics, Design and Culture
 Master in Industrial Design, ISTHMUS - School of Architecture and Design of Latin America and the Caribbean Sea, Panama.
- April 2010 to date **Associate Professor of Design Theory**
 School of Industrial Design, Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- April 2006- March 2010 **Aggregate Professor of Design Theory**
 School of Industrial Design, Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- May 2000- March 2006 **Assistant Professor of Design Theory**
 School of Industrial Design, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- May 1998 - May 2000 **Lecturer in Design Theory**
 School of Industrial Design, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- April 1991 - Dec. 1992 **Teaching Assistant in Architectural History**
 Department of History, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.

APPOINTMENTS AND OTHER ACADEMIC ROLES

- July 2012 To date **Co-ordinator of the Industrial Design Curricular Committee**
 Faculty of Architecture and Design, University of Los Andes, Venezuela.
- Nov. 2011 to date **Member of a Journal's International Committee**
 ICONOFACTO - Design Journal, Universidad Pontificia Bolivariana, Medellin, Colombia.
- Sept. 2009 to date **Academic Co-ordinator Area of Theory & Practice of Design**
 Dept. of Theory and Methodology, School of Industrial Design, University of Los Andes, Merida, Venezuela.

- October 2005 - May 2008 **Head of the School of Industrial Design**
 Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- 2008 to date **Co-ordinator- founder of GISODIV Research Group**
Group of Socio-cultural Studies of Design in Venezuela, Faculty of Architecture and Design, University of Los Andes, Venezuela.
- April 2003 - July 2008 **Head of Faculty Council for the Development of Teaching Skills**
 Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- March 2001 - April 2003 **Representative of the Faculty of Architecture & Design in the University Council of Academic Tutors**
 Programme for the Development of Teaching Skills, University of Los Andes, Merida, Venezuela.
- May 2001-2003 **Elected Professorial Representative in the Faculty Council**
 Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- March 1999 - May 2001 **Head of Department**
 Department of Theory and Methodology, School of Industrial Design, Faculty of Architecture and Art, University of Los Andes, Venezuela.
- October 1995 - June 1997 **Foreign Students' Representative**
 Board of Studies, Postgraduate Diploma/MA Industrial Design Course Birmingham Institute of Art & Design, University of Central England, United Kingdom.
- 1992 **Elected Student Representative of the Faculty of Architecture for the Election of the University Authorities**
 University of Los Andes, Venezuela.
- 1989-1990 **Elected member of the Faculty of Architecture Students' Union**
 University of Los Andes, Merida, Venezuela.

TEACHING TRAINING & WORKSHOPS ON HIGHER EDUCATION

- September 2006 **Workshop of Induction about Community Service for Higher Education**
Central Curricular Commission, University of Los Andes, Merida, Venezuela.
- April 2006 **Workshop on the Implementation of the Law of Community Service for Higher Education in Venezuela**, Central Curricular Commission, University of Los Andes, Merida, Venezuela.
- Oct.- Nov. 2001 **Ethically based Pedagogy** (22 hour workshop)
Programme for the Development of Teaching Skills, University of Los Andes, Merida, Venezuela.
- November 2000 **3º Workshop on Undergraduate Studies at University of Los Andes**
Academic Vice-Chancellery, University of Los Andes, Merida, Venezuela.
- October 1999 **Strategies for Optimal Achievement** (24 hour workshop)
Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- July 1999 **Development of Syllabuses for Courses of Study** (20 hour course)
Programme for the Development of Teaching Skills and Central Curricular Commission, University of Los Andes, Merida, Venezuela.
- Oct. 1998- Jan.1999 **Assessment of Students' Learning** (40 hour workshop)
Programme for the Development of Teaching Skills, University of Los Andes, Merida, Venezuela.
- October 1998 **Teaching Methods and Strategies** (16 hour workshop)
Programme for the Development of Teaching Skills, University of Los Andes, Merida, Venezuela.
- June 1998 **Micro-Teaching** (Behaviourist Insights for Teaching) (20 hour workshop)
Programme for the Development of Teaching Skills, University of Los Andes, Merida, Venezuela.

THEMATIC SEMINARS & TRAINING WOKSHOPS

- October 2013 **Workshop on Museum Studies: Theory and Praxis** (40 hour workshop)
Proyecto Redes Universitarias, Faculty of Humanities & Education, University of Los Andes, Merida, Venezuela.
- July 2011 **Workshop on Organization of Exhibitions for Museums**
(24 hour workshop). Proyecto Redes Universitarias, Faculty of Humanities & Education, University of Los Andes, Merida, Venezuela.
- May 2010 **Seminar on Links among History, Culture and Subjectivity in the Construction of Identities: The Venezuelan experience** (22 hour seminar)
Council of Postgraduate Studies, University of Los Andes, Merida, Venezuela.

RESEARCH PROJECTS DEVELOPED

- 2009 **In search of the 'appropriate' principles of composition: The legacy of 19th-century theorists.** School of Historical and Critical Studies, Faculty of Architecture & Art, University of Brighton, United Kingdom.
- 2009 **The logic of inversion: The Mini car phenomenon in Great Britain 1959-1969.** School of Historical and Critical Studies, Faculty of Architecture & Art, University of Brighton, United Kingdom.
- 2009 **Looking at the world through new coloured 'glasses': TV sets in magazine adverts of 1960s Britain.** School of Historical and Critical Studies, Faculty of Architecture & Art, University of Brighton, United Kingdom.
- 2009 **Machine politics and the appropriation of technologies in the design of British buses 1829-1910.** School of Historical and Critical Studies, Faculty of Architecture and Art, University of Brighton, United Kingdom.
- 2000 - 2008 **A Theory of Reference for Product Design: The semantics of product ideation.** PhD Thesis. Birmingham Institute of Art & Design, Birmingham City University, United Kingdom.

- 2004 **The nuances of creation: Concept ideation in product design**
 - 2008 Research project sponsored by the Council for Scientific, Humanistic and Technological Development of University of Los Andes, Merida, Venezuela. Grant N° A-454-04-06-D.
- 1997 **The Symbolic Equation in Product Design: An approach to the aesthetic characterisation of products along their life cycle.** Master Degree Dissertation, University of Central England in Birmingham, UK.
- 1993 **Communication in Architecture for the preservation of cultural values: A Museum of Folk Arts and Traditions for Merida.** Bachelor (Hons) of Architecture Final Project, University of Los Andes, Venezuela.

PUBLICATIONS

- April 2014 **From advertisement to the consumption of new technologies: The introduction of colour TV sets in the United Kingdom, 1960–1969.** In Porfirio Cardona-Restrepo and Augusto Solórzano (Dir.) *The Domestic Scenario*. Medellín: Universidad Pontificia Bolivariana, pp. 137-160.
- June 2013 **A model and six semiotic dimensions for the ideation of products.** *ICONOFACTO* (Journal of the School of Architecture and Design, Universidad Pontificia Bolivariana, Medellín, Colombia), Vol. 9, N° 12, January-June, pp. 154-174 (Published in Spanish).
- September 2010 **Of precious artefacts, utilitarian metaphors and archetypal shapes: psychological insights into the aesthetic experience of art, design & craft.** In Javier Gimeno-Martinez and Fredie Floré (eds) *Design and Craft: a history of convergences and divergences*. Brussels: Koninklijke Vlaamse Academie van België, pp. 168 – 172 (Published in English).
- December 2008 **Research and modelling of mental processes in the synthesis of design proposals.** *PORTAFOLIO* (Journal of the Faculty of Architecture & Design, University of Zulia, Venezuela), Vol.2, N° 18, July-December, pp. 118-128 (Published in Spanish).

- December 2006 **The role of paradigms in the epistemological understanding of design,** *PORTAFOLIO* (Journal of the Faculty of Architecture & Design, University of Zulia, Venezuela), Vol. 2, N° 14, pp. 32-43. (Published in Spanish)
- July 2004 **Morphological and psychological aspects of tooth-brush design** (joined article with Juan Carlos Márquez), *PORTAFOLIO* (Journal of the Faculty of Architecture and Design, University of Zulia, Venezuela), Vol. 1, N° 9, pp. 16A-24A (Published in Spanish).
- October 2003 **Obliteration versus re-semantization of references in electrical appliances.** *VISIO* (Journal of the International Association for Visual Semiotics), Vol. 8, N° 3-4, Autumn-Winter, pp. 265 -273 (Published in English).
- November 2002 **Implications of technological development in the aesthetics of our everyday objects.** *ESTÉTICA* (Journal of Aesthetics published by the Faculty of Humanities, University of Los Andes, Venezuela), No.6, pp. 333-340 (Published in Spanish).
- May 2001 **Demystifying the notion of Archetype in Design** *EDIFICAR* (Journal of the Faculty of Architecture and Design, University of Los Andes, Venezuela), No. 8, pp. 8-15 (Published in Spanish)

SPECIAL LECTURES DELIVERED (Titles and events translated into English)

- June 2012 **The Industrial Designer and his/her postgraduate studies** *Series of Lectures: "Hola Diseño"*. Event organised by the Industrial Design Student Union, Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- March 2012 **The Psychological Roots of Creativity in Design** *Series of Lectures: "Brainstorming 2012"*. Event organized by the Venezuelan Association of Students Of Architecture, Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.

- June 2010 **Domestic space and museum studies: Revisiting the Geffrye Museum of London.** *1º Course on Design & Material Culture: "The domestic space and its objectual ecology"*. Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- June 2010 **Readings of the interior domestic space in paintings.** *1º Course on Design & Material Culture: "The domestic space and its objectual ecology"*. Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- December 2007 **The Education of Industrial Design at the University of Los Andes, Venezuela.** *Design to the Limit: International meeting on the frontiers of Industrial Design*, Foundation of National Museums, "Tulio Febres Cordero" Cultural Centre, Merida, Venezuela.
- November 2007 **Morrisian Semiotics in the understanding of Industrial Design** *5º Venezuelan Conference of Semiotics*, Faculty of Sciences, University of Los Andes, Merida, Venezuela.
- December 2004 **Product Conceptualization (Product Ideation)** *Design Seminar*, Department of Industrial Design, School of Industrial Design, University of Los Andes, Merida, Venezuela.
- November 2004 **The place of analogies in Western design thinking** *Course on Bionic Design*, Department of Industrial Design, School of Industrial Design, University of Los Andes, Merida, Venezuela.
- June 2004 **Foundations for the study of communication in design** *Master of Arts in History, Theory and Criticism of Architecture*, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- January 2004 **Considerations to define the design methodology for a project** *Series of Lectures* organised by the Undergraduate Final Project Commission, School of Industrial Design, University of Los Andes, Merida, Venezuela.
- July 2003 **Experiential learning as a measurement of teaching styles** *Series of Lectures* organised by the Faculty Council for the Development of Teaching Skills, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- February 2003 **Notes on the concept of function in design** *Series of Lectures* organised by the Student's Union, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- October 2002 **Ethos, Logos and Pathos: Three axis of change in design** *2º Week of Graphic Design*, Faculty of Architecture and Design, University of Zulia, Maracaibo, Venezuela.
- April 2001 **The place of Venezuelan Industrial Design in the present world scenario**, Colloquium *"Goal: Industrial Design"*, Faculty of Science, University of Los Andes, Merida, Venezuela.
- May 1998 **An approach to Industrial Design and the role of its professionals** Faculty of Architecture and Art, University of Los Andes, Venezuela.
- January 1998 **Semantic transformation and aesthetic configuration in mass-produced objects**, Presentation at the Pg.Dip/ MA Industrial Design Course, University of Central England, Birmingham, UK.
- July 1996 **Impressions about the design education at the Birmingham Institute of Art & Design**, Colloquium *"One school and three visions on Industrial Design"*, Council for Postgraduate Studies, Faculty of Architecture and Art, University of Los Andes, Venezuela.
- December 1998 **Towards a new characterisation of the useful object**, *Colloquium "Strategies for the end in literature, art and design"* (organised by Faculty of Architecture and Art), University Bookshop, Merida, Venezuela.

PAPERS READ IN CONFERENCES (Titles and events translated into English)

- December 2013 **Atypicality and antipolitics in the understanding of Venezuelan crafts: A critical approach from design.** *International Forum on Perspectives and Challenges for the Crafts Sector*. University El Bosque – Artesanías de Colombia S.A., Corferias Auditorium, Bogota, Colombia.

- November 2013 **Sensibility as a semiotic construction in the teaching of Industrial Design: A retrospective view.** *1° Coloquium on Semiotics and Education: Views from a Pedagogy of Sensibility*, University of Los Andes, Campus Rafael Rangel, Trujillo, Venezuela.
- July 2012 **“The time of my life”: The construction of meaningful social relationships through the Qloq watches.** *7° Venezuelan Conference of Semiotics*, Faculty of Sciences, University of Zulia, Venezuela.
- May 2012 **The aesthetic experience as a means to differentiate art, design and handcraft.** *Symposium on “Handcraft and Industrial Design in Venezuela: Beyond the categories”*, Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- May 2012 **From “Design to the Limit” to the limits of design: Towards an industrial design policy in Venezuela.** *Symposium on “Handcraft and Industrial Design in Venezuela: Beyond the categories”*, Faculty of Architecture and Design, University of Los Andes, Merida, Venezuela.
- September 2010 **Of precious artifacts, utilitarian metaphors and archetypal shapes: Psychological insights into the aesthetic experiences of art, design and craft.** *7° Conference of the International Committee for Design History and Design Studies (ICDHS): “Design and Craft”*, Palace of the Academies, Brussels, Belgium.
- July 2010 **When the body is the message: The aesthetic promises in the new sport shoes.** *6° Venezuelan Conference of Semiotics*, Centre for Research in Literature and Linguistics “Mario Briceño-Iragorry”, University of Los Andes, Trujillo, Venezuela.
- June 2009 **Looking at the world through new coloured ‘glasses’: Adverts of TV sets in 1960s Britain.** *4° Annual Symposium of New Research in Material Culture ‘Stuff and Things’*, Centre for Research and Development, University of Brighton, United Kingdom.
- February 2008 **Research and modelling of mental processes in the synthesis of design proposals.** *1° Venezuelan Meeting about Research in Architecture, Design and Urban Studies*, Faculty of Architecture and Design, University of Zulia, Maracaibo, Venezuela.
- November 2007 **Advertising rhetoric and meaning construction in the design of tooth-brushes.** *5° Venezuelan Conference of Semiotics*, Faculty of Science, University of Los Andes, Merida, Venezuela.
- October 2007 **Data bases to “design” products: The last frontier of CAD software for industrial design.** *2° Venezuelan Meeting on History and Design Studies*, Faculty of Art, University of Los Andes, Merida, Venezuela.
- Julio 2007 **Overcoming differences among subjects and objects: An alternative framework for the historical periodicity of industrial design.** *3° South American Conference of History*, Faculty of Humanities, University of Los Andes, Merida, Venezuela.
- June 2006 **Industrial Design in the construction of the image of our everyday objects.** *1° Festival of the Image*, Metropolitan School of Art, Merida, Venezuela.
- December 2005 **The role of paradigms in the understanding of the epistemological roots of design.** *1° Venezuelan Meeting on History and Design Studies*, Center for Latin American Studies Rómulo Gallegos, Caracas, Venezuela.
- October 2005 **Local representations and imaginaries in the teaching of design objects: About the problem of reference.** *4° Venezuelan Conference of Semiotics and 6° Latin American Conference of Semiotics*, University of Zulia, Maracaibo, Venezuela.
- December 2003 **The social dimension of functions in product design** *2° Venezuelan Design Conference: Design and society*, Faculty of Architecture and Design, University of Zulia, Maracaibo, Venezuela.

- November 2003 **Basic Design: Advantages and disadvantages of an educational model.** *1º Symposium on Education in the Faculty of Architecture & Art*, Faculty Council for the Development of Teaching Skills, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- November 2003 **Assessing students' creativity: An experience in a Design Seminar** *1º Symposium on Education in the Faculty of Architecture & Art*, Faculty Council for the Development of Teaching Skills, Faculty of Architecture and Art, University of Los Andes, Merida, Venezuela.
- November 2002 **The co-real reference: A semiotic contribution to the aesthetics of Industrial Design.** *3º Venezuelan Conference of Semiotics*, University of Zulia, Maracaibo, Venezuela.
- November 2001 **Advanced aesthetics or Neoprimitivism? The Italian Industrial Design at the end of the 20th Century.** *4º International Symposium of Aesthetics* (organised by University of Los Andes), "Tulio Febres Cordero" Cultural Centre, Merida, Venezuela.
- October 2001 **Obliteration versus re-semantization in Industrial Design: Reference and object recognition in electrical appliances,** *6º World Conference of the International Association of Visual Semiotics*, Université Laval, Quebec, Canada.
- November 1999 **Implications of technological development in the aesthetics of our everyday objects,** *3º International Symposium of Aesthetics*, "Tulio Febres Cordero" Cultural Centre, Merida, Venezuela.
- 2014 Tutor of student Wanda Barreto in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Design Driven Innovation in the creation of a set of artefacts to develop the self-esteem of children aged between 6 and 12 years through cooking skills.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2014 Tutor of student José Arcadio Pérez in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Design Driven Innovation to create an artefact to support the education of moral values in kinder-garden children.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2012 Tutor of student Nathalia Lanzellotti in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Design of a set of three electric burners with a cooking area for kitchens at the university halls of residence.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2012 Tutor of student Dayana Santos in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Design of a stove for Venezuelan mothers with children under 4 years of age with particular emphasis on usability and safety issues.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2012 Tutor of student José Rengifo in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Emotional design of a stove to elicit the development of kitchen skills in disable users.** Faculty of Architecture and Design, University of Los Andes, Venezuela.

RESEARCH SUPERVISION

- 2014 Tutor of student Luis Andrés Avilés in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Design Driven Innovation in the creation of a lamp to help children aged between 2 and 6 years to overcome their aversion of going to sleep to their bedroom.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2012 Tutor of student Leymar Niño in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Emotional design of a multi-functional cooking artefact for university halls of residence with particular emphasis on experiential references.** Faculty of Architecture and Design, University of Los Andes, Venezuela.

- 2011 Tutor of student Lorena Teruel in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Safety and comfort as key issues for the design of a portable shelter to elicit the sense of achievement in Andean mountaineers.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2011 Tutor of student Oswaldo Dávila in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Product for the transportation, protection and selling of newspapers in the streets of Merida city, Venezuela.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2010 Tutor of student Simón Pérez in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Customized accessory for time measuring and emotional support of Venezuelan men in new socializing environments.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2010 Tutor of student Manuel Pernía in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Device of mobile communication for elder Venezuelan users.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2010 Tutor of student Stephanie Suárez in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Design of a coffee maker re-interpreting sensorial aspects of the cultural identity of Venezuelans.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2008 Tutor of student Fernanda Fernández in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Design of a product for the physical exercising of elder people.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2007 Tutor of student María Alejandra Ojeda in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Design of furniture for meeting rooms of Venezuelan business executives.** Faculty of Architecture and Design, University of Los Andes, Venezuela. Project sponsored by the University Council for Scientific, Humanistic and Technological Development. Grant N° A-637-07-06-F.
- 2007 Tutor of student Alejandra Araujo in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Kit for easy screwing of tire nuts for Venezuelan women.** Faculty of Architecture and Design, University of Los Andes, Venezuela. Project sponsored by the University Council for Scientific, Humanistic and Technological Development. Grant N° A-667-07-06-F.
- 2007 Tutor of student Bahirmary Ramos in the Final Project of her Bachelor (Hons) Degree in Industrial Design. Project title: **Set for the preparation and serving of coffee for Venezuelan people.** Faculty of Architecture and Design, University of Los Andes, Venezuela.
- 2003 Tutor of student José José Limongi in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Design for the industrialisation of components for rural bio-digesters.** Faculty of Architecture and Art, University of Los Andes, Venezuela. Project sponsored by the University Council for Humanistic and Technological Development. Grant N° A-403-03-06-F.
- 2003 Tutor of student Juan Carlos Márquez in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Utensil for the oral hygiene of Venezuelan teenagers.** Faculty of Architecture and Art, University of Los Andes, Venezuela. Project sponsored by the University Council for Scientific, Humanistic and Technological Development. Grant N° A-396-03-06-F.
- 2003 Tutor of student Alejandro Rassias in the Final Project of his Bachelor (Hons) Degree in Industrial Design. Project title: **Means of transport for injured people in the Andes mountains.** Faculty of Architecture and Art, University of Los Andes, Venezuela. Project sponsored by the University Council for Scientific, Humanistic and Technological Development. Grant N° A-404-03-06-F.
- 2000 Tutor of student Yolimar Rivas in the Final Project of her Bachelor (Hons) Degree in Graphic Design. Project title: **Juice packaging for the refectories of University of Los Andes: A redesign based on ergonomic considerations.** Faculty of Architecture and Art, University of Los Andes, Venezuela.

ACADEMIC SUPERVISION OF INTERNSHIPS

- 2010 Academic tutor of undergraduate student Oswaldo David Dávila Carrasco during his intership at *PEGSA S.A.*, Miranda State, Venezuela.
- 2006 Academic tutor of undergraduate student Robert Simón Suárez during his internship at the firm *Ferromuebles C.A.*, Cojedes State, Venezuela.
- 2006 Academic tutor of undergraduate student Alejandra Magna Araujo during her internship at the firm *Carrocerías Chama C.A.*, Merida State, Venezuela.
- 2005 Academic tutor of undergraduate student Johama Maldonado González during her internship at the *National Council of Culture - Venezuela (CONAC)* as part of a design project developed in different locations of the country.
- 2005 Academic tutor of undergraduate student Bahirmary Ramos Briceño during her internship at the firm *Jotacea C.A.*, Capital District, Venezuela.
- 2005 Academic tutor of undergraduate student Julio Rodríguez during his internship at the firm *MetaPlug C.A.*, Capital District, Venezuela.

LANGUAGES

SPANISH: speaking, reading and writing fluid knowledge.
 ENGLISH : speaking, reading and writing fluid knowledge.
 GERMAN: very basic knowledge.

SCIENTIFIC AND PROFESSIONAL MEMBERSHIPS

- Since 2005 **Latin American Association of Semiotics**
- Since 2002 **Venezuelan Association of Semiotics**
- Since 2001 **International Association of Visual Semiotics**
- Since 1993 **Professional Body of Engineers of Venezuela.**

AWARDS AND RECOGNITIONS

- 2014 **Award “Dr. Mariano Picón Salas” in its Second Class** for an outstanding teaching career at university
Academic Vice-Chancellor, University of Los Andes, Merida, Venezuela.
- 2013 **Award in recognition of 15 Years of Teaching**
Association of Professors, University of Los Andes, Merida, Venezuela.
- 2011 **Accreditation as Researcher Level A** under the N° V-09474092-0104-2013 *Programme for the Enhancement of Innovation and Research (PEII)*, National Observatory of Science, Technology and Innovation. Ministry of Science, Technology and Intermediate Industries of Venezuela.
- 2011 **Accreditation as Active Researcher**
Programme for the Enhancement of Research (PEI)
University of Los Andes, Merida, Venezuela.
- 2010 **Award in recognition of Academic Achievements**
Association of Professors, University of Los Andes, Merida, Venezuela.
- 2009 **Accreditation as Active Researcher**
Programme for the Enhancement of Research (PEI)
University of Los Andes, Merida, Venezuela.
- 2007 **Accreditation as Active Researcher**
Programme for the Enhancement of Research (PEI)
University of Los Andes, Merida, Venezuela.
- 2006 **Accreditation as Research Candidate** under the N° 8861,
Programme for the Promotion of Research (PPI) of the Venezuelan Foundation for the Promotion of Research (FVPI), Ministry of Science and Technology, Venezuela.
- 1993 **Diplomas for Outstanding Achievement in 5 Undergraduate Subjects** (Design Studio 5, Building Technology 1 and 3, History of Architecture 1, Seminar on Complementary Installations), Faculty of Architecture & Design, University of Los Andes, Merida, Venezuela.

OTHER SKILLS

Competent user of the following computer programmes: Microsoft **Publisher 2000**, Microsoft **Excell 2000**, Microsoft **Word for Windows**, Microsoft **Power Point 4.0.**, Microsoft **Adobe Photoshop 5.0.**

ELECTRONIC INSTITUTIONALREFERENCES

<http://www.saber.ula.ve/handle/123456789/9638>

<http://webdelprofesor.ula.ve/arquitectura/rlacruz>

Design projects by Rafael Lacruz-Rengel:

Design area	Date	Project name and location	Brief description
Architecture	December 1997	"Clínica del Niño" Medical Center Av. 2 Lora, Mérida, Venezuela.	Project for the alteration of certain areas of a private medical center to accommodate physician offices and areas for psychiatry treatment. The building's first floor, originally used for post-operative and recovery lodging of patients, was also altered and its present area expanded to accommodate 13 new doctor offices and two waiting rooms instead of its original areas.
Industrial design	May 1996	Collapsible recreational canoe School of Industrial Design, University of Central England, UK.	Academic project aiming to take advantage of a new thermoplastic honeycomb named "Supracor". This material was originally developed for the aerospace industry. Flexibility in one sense and total rigidity in the other sense are its main features. Situation that made possible the creation of a concept for a collapsible canoe easy to transport and storage in rolled form. The canoe hull floatability is guaranteed by the fact that this type of honeycomb has its cells filled with air.
Industrial design	February 1996	Mountaineering portable stretcher School of Industrial Design, University of Central England, UK.	Academic project aiming to the development of an easy to carry stretcher for mountaineering activities in Britain. The design concept considers the aluminium structure and fabric components of existing back packs as a starting point to create a portable stretcher that can be used also as a backpack. A special aluminium alloy is suggested to get the best combination of structural strength and finish. Stretcher weight: 6.05 kilos.
Industrial design	November 1995	Kitchen timer School of Industrial Design, University of Central England, UK.	Academic project aiming to create a premium product to increase the sales of a Rusell Hobb food mixer. The design concept was developed based on the mixer flaws, especially its poor stability when it is stopped and placed aside from the substance mixed. Thus, our design team decided to create a digital kitchen timer combined with a food mixer stand. Design shared with: B. Azmi, M. Turner and L. Hermansen.
Interior design	June 1995	Physiatry Room Centro Diagnóstico Atrium, Mérida.	Project for the alteration of a 35,90 m ² room to accommodate different activities about psychiatric treatment.
Graphic design	February-May 1995	Logos and posters for different events for the University Chaplaincy Universidad de Los Andes, Venezuela.	* Logos designed for: The University Mission, The 1° Diocesan Conference of Catholics at the University, The 1° Regional Conference of University Chaplaincies, The Programme for University Students' Homes. * Poster for The 1° Diocesan Conference of Catholics at the University.
Architecture	September 1994	"Salas Roo" Commercial Arcade Av.3, in front of Bolívar square, Mérida, Venezuela.	Project for the alteration of a two story commercial arcade originally designed in modern style. The legal constraints linked to its location posed the need of changing the façade style from modern to Venezuelan traditional. Furthermore the client requested the creation of an additional floor for offices. This project was presented for discussion with local authorities, getting their approval. Nevertheless it was not built. Construction area: 705,08 m ² . Design shared with Rony Puche.
Media design	May 1994	TV advertisement for the University Catholic Mission Mérida, Venezuela.	27 second TV advertisement to promote a month of social activities organized by the University of Los Andes Catholic Chaplaincy. This ad was design in collaboration with a team of technicians and transmitted in a local TV Station of Merida city (Venezuela).
Architecture	May 1994	"Caña Dulce" Shopping Center Avs. Fernández Peña y Bolívar, Ejido, Mérida, Venezuela.	Project for the alteration of five adjacent houses to create a single shopping center. The old technology used (earth architecture) together with the traditional and distinctive language of their facades represented the main constraints. The final proposal unifies internal spaces and creates a visual language joining features from the five houses' facades. Construction area: 1434.37 m ² . Design shared with Rony Puche.
Industrial design	February 1994	Ice containers for public areas Hotel Mintoy, Mérida, Venezuela.	Design of an ice container to ease the provision of ice for the Mintoy hotel guests. The container's internal body was designed in stainless steel surrounded by a liner of Polystyrene foam to guarantee isolation. The container's external body was designed in metallic foil painted.
Architecture	July 1993	Folk Arts and Traditions Museum Calle 41 con Av.3, Mérida, Venezuela.	Academic project developed as a final requirement to obtain my Bachelor of Architecture diploma. The museum comprises five floors strategically designed to gather different activities disturbing each other in the least possible way. Among the building facilities are: an underground parking lot for 25 cars, 5 restoration workshops, a deposit for artworks, exhibition areas, a small café, a souvenirs shop, a library, a cinema-auditorium for 75 people, administrative offices and an area for a research department. Construction area: 3987.24 m ² .
Interior design	July 1992	"Coyaima" Conference room Hotel Mintoy, Las Heroínas Park, Mérida.	Project for the alteration of a covered parking area to accommodate a meeting room with a capacity of no less than 80 people. The main alterations were focused on the creation of a bar service area as well as matters of decoration, acoustic isolation, the provision of an air conditioning system and a flexible lighting system (for parties and small conferences). Construction area involved: 161.50 m ² .
Graphic design	June 1992	Logo and letterhead for "La Colmena" Office Building Mérida, Venezuela.	Following a conceptual analogy between an office building and a beehive (such as the building name in Spanish: "La Colmena"), a stylization of letters towards the beehive shape was carried out. Such logo was also used for the development of the building letterhead as well as for a big size display, located above the building's main entrance.
Architecture	March 1992	"La Colmena" Office Building Av. Gonzalo Picon, Mérida, Venezuela.	Project for the alteration of a housing building in order to accommodate offices instead. Construction area involved: 1119.41 m ² . Design shared with Architect Emigdio Araujo.