

Luís Bragança – Curriculum Vitae

Name: Luís Bragança

Birthday: 19th of April 1959

Nationality: Portuguese

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Academic Qualifications:

- PhD. in Mechanical Engineering by Porto University, 1995, Very Good.
- M.Sc. in Thermal Engineering by Porto University, 1987, Very Good.
- Civil Engineering by Porto University, 1982, Very Good.

Language skills: From 1 (notions) to 5 (excellent) for competence (*=mother tongue)

<u>Language</u>	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
English	5	5	5
French	3	5	3
Spanish	4	5	3
Portuguese	*		

Present Position:

- Professor of the Civil Engineering Department of University of Minho, since 1995.
- Director of the Master Course in Sustainable Construction and Rehabilitation, since 2008.
- Coordinator of the Research Group Sustainable Construction of the Research Centre Territory, Environment and Construction, since 2010.
- Director of the Building Physics and Construction Technology Laboratory of University of Minho, since 1992.

Previous positions:

- Director of the MSc Course in Civil Engineering, from 2006 till 2008.
- Vice-director of the MSc Course in Civil Engineering, from 1996 till 2006.
- Assistant Professor of the Civil Engineering Department of Minho University from 1988 till 1995.
- Training Assistant Teacher of the Physics Department of Minho University from 1982 till 1987.

Main scientific area of research: Sustainable Construction

Other scientific areas of research: Building physics and construction technology. Building energy conservation and management. Building conservation and rehabilitation. Environment and Sustainable Development.

RTD Management

Since 1992 is the Director of the Building Physics and Technology Laboratory. This facility as been created and developed by Luís Bragança. A great experience in defining and managing the research and the technology was achieved during this period.

The technological transfer and the exploitation of the RTD results has been done under the Building Physics and Technology Laboratory and has two complementary purposes:

- the utilisation of the solutions resultant from research in the real world and evaluation of its potentialities and limitations;
- the fund collection that allow the development of the Laboratory activity and the acquisition of new equipment to support research.

It is important to mention that with this strategy the Laboratory has had a successful progress since its creation. In 1992/93 the Laboratory started with the collaboration of one scholarship and in 2011 can rely on 15 graduate members (employees and researchers in collaboration).

Scientific and Professional Associations

- President of the International Initiative for a Sustainable Built Environment, since October 2011.
- National coordinator of iiSBE-Portugal (Portuguese chapter of the International Initiative for a Sustainable Built Environment) since November 2005.
- Member of Sociedade Portuguesa de Acústica (SPA). Since January 2000 is member of the Board.
- Member of the Editorial Committee of SUSB – International Journal of Sustainable Building Technology and Urban Development
- Member of the Editorial Committee of the Journal Sustainability

- Member of the Editorial Committee of the Journal Steel Construction
- Member of the Editorial Committee of Revista Engenharia Civil - UM, Journal of Civil Engineering of the University of Minho.
- Member of the Research Centre Civil Engineering of University of Minho.
- Member of National Engineers Association. Expert in Acoustic Engineering.

International Cooperation

- Chairman of COST Action C25 “Sustainability of Constructions - Integrated Approach to Life-time Structural Engineering”.
- National representative in ECTP (European Construction Technology Platform).
- National representative in the COST Domain Committee “Transport and Urban Development”.
- National coordinator and representative in the International Initiative for a Sustainable Built Environment - iiSBE.
- National coordinator and representative in the Association SD-MED (Sustainable Development in the Mediterranean Basin).
- Chairman of the Working Group on “Technical Solutions for Adaptations of Façades and Roofs” of COST Action C16 “Urban Civil Engineering - Improving the quality of existing urban building envelopes”.
- Chairman of the Working Group on “Urban Design” of COST Action C12 “Urban Civil Engineering - Improving buildings' structural quality by new technologies”.
- Expert evaluator of research projects submitted to EU Commission in the Fifth Framework Program:
 - Rational Use of Energy in Buildings;
 - City of Tomorrow and Cultural Heritage.

Participation in International Technical Committees

- CIB Technical Committees (Conseil International du Batiment pour la Recherche l'Etude et la Documentation):
 - W51 - Acoustical Performance of Buildings
 - W94 - Design for Durability
 - W99 - Quality and Safety on Construction Sites
 - W105 - Lifetime Engineering
 - W115 - Construction Material Stewardship
- Representative in CEN, working group CEN/TC126 Building Acoustics; WG5 “Coordination with product TCs”.
- Representative in CEN, working group CEN/TC350 Sustainability of Construction Works; WG1 “Environmental Performance of Buildings”.

Participation in National Technical Committees

- Coordinator of WG9 (Propriedades Térmicas dos Materiais) da Comissão Técnica de Normalização 151 – Térmica de Edifícios.
- Sub-committees SC4 (Acústica de Edifícios) and SC8 (Acústica Ambiental) da Comissão Técnica de Normalização CT28 – Acústica.

Conference Organization

- Coordinator of the Organizing Committee of the iiSBE Portugal National Conference “Sustainability in Urban Regeneration - The New Paradigm of the Construction Market” in Lisbon, Portugal, 29-30 September 2011.
- Coordinator of the Organizing Committee of the International Conference “Towards a better built environment” in Innsbruck, Austria, 3-4-5 February 2011.
- Member of the Organizing Committee of the International Congress of Innovation on Sustainable Construction (CINCOS’10), Centro Habitat - Plataforma para a Construção Sustentável, Cúria, Portugal, November 2010.
- Coordinator of the Organizing Committee of the iiSBE Portugal Seminar “Architecture, Sustainable Construction and Rehabilitation”, Ponte de Lima, Portugal, September 2010.
- Coordinator of the Organizing Committee of the International Symposium on “Sustainable Construction - A Life Cycle Approach in Engineering”, Malta, 26 July - 1 August 2010.
- Coordinator of the Organizing Committee of the International Training School for Early Stage Researchers on “Sustainable Construction - A Life Cycle Approach in Engineering”, Malta, 24 - 25 July 2010.
- Coordinator of the Organizing Committee of the iiSBE Portugal Seminar “Architecture, Sustainable Construction and Rehabilitation”, Celorico de Basto, Portugal, May 2010.
- Coordinator of the Organizing Committee of the International Conference “Portugal SB10 – Sustainable Building affordable to all”, 17-19 March 2010, Vilamoura.
- Coordinator of the Organizing Committee and Scientific Committee of the International Workshop “Sustainability of Constructions - Integrated Approach to Life-time Structural Engineering”. Timisoara, Romania, October 2009.
- Coordinator of the Training School for Early Stage Researchers on “Sustainability in Structures and Structural Interventions - Improving the contemporary and historical urban habitat constructions within a sustainability and risk assessment framework”. Thessaloniki, Greece, 17-24 May 2009.
- Member of the Organizing Committee of the International Congress of Innovation on Sustainable Construction (CINCOS’08), Centro Habitat - Plataforma para a Construção Sustentável, Cúria, Portugal, October 2008.
- Coordinator of the Organizing Committee of the International Seminar “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering”. Dresden, Germany, October 2008.

- Coordinator of the Organizing Committee of the International Conference “Portugal SB07 – Sustainable Construction, Materials and Practices: Challenge of the Industry for the New Millennium”, 12-14 de September 2007, Lisbon.
- Coordinator of the Organizing and Scientific Committees, “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering – 1st Workshop of the COST Action C25”, Lisbon, 2007.
- Coordinator of the Organizing Committee of the European Symposium on Environmental Acoustics and 4º Congresso Ibero-Americano de Acústica, 13-17 September 2004, University of Minho, Guimarães.
- Member of the Organizing Committee of PLEA 98 - International Conference on “Passive and Low Energy Architecture”, 31 May to 4 June 1998, Lisbon.
- Member of the Organizing Committee of the VIII Congresso Ibérico de Energia Solar, 25-28 May 1997, Porto.

Scientific Committees

- Member of the Scientific Committee of 3º Congresso Nacional da Construção “Construção 2007”, Coimbra, 2007.
- Member of the National Advisory Committee of Healthy Buildings 2006, Lisbon, Portugal, 2006.
- Member of the Scientific Committee of ESCS-2006 “European Symposium on Service Life and Serviceability of Concrete Structures”, Helsinki, Finland, 2006.
- Member of the Scientific Committee of 2º Congresso Luso-Brasileiro para o Planeamento Urbano, Regional, Integrado e Sustentável – PLURIS 2006, a realizar em Braga, Portugal, Setembro, 2006.
- Member of the Scientific Committee of 1º Congresso Luso-Brasileiro para o Planeamento Urbano, Regional, Integrado e Sustentável – PLURIS 2005, S. Carlos, Brasil, Setembro, 2005.
- Member of the Scientific Committee of Acoustics European Symposium - Environmental and Building Acoustics, Guimarães, Portugal, 2004.
- Member of the Scientific Committee of ACÚSTICA 2004 - 4º Congresso Ibero-Americano de Acústica, Guimarães, 2004.
- Member of the Scientific Committee of 2º Congresso Nacional da Construção “Construção 2004”, Porto, 2004.
- Member of the Scientific Committee of ILCDES 2003 - Integrated Lifetime Engineering of Buildings and Civil Infrastructures, Kuopio, Finland, 2003.
- Member of the Scientific Committee of PATORREB – 1º Congresso Nacional sobre Patologia e Reabilitação da Construção, Porto, 2003.
- Member of the Scientific Committee of XXXI World Housing Congress - IAHS - International Association of Housing Science, Toronto, Canada, 2003.
- Member of the Scientific Committee of Third Conference on Steel Construction, Coimbra, 2002.
- Member of the Scientific Committee of XXX World Housing Congress - IAHS - International Association of Housing Science, Coimbra, Portugal, 2002.

International/European Research Projects

- Coordinator and researcher of the project “Sustainability of Constructions - Integrated Approach to Life-time Structural Engineering”. COST Program, Action C25. 2006-2011.
- Co-coordinator and researcher of the project SB_STEEL “Sustainable Building Project in Steel. EU FP7 - Research Fund for Coal and Steel, 2010-2013.
- Rapporteur and Evaluator of the project “Strategies for a Low Carbon Built Environment”, COST Program, Action C23. 2005-2010.
- Rapporteur and Evaluator of the project “Next generation cost effective phase change materials for increased energy efficiency in renewable energy systems in buildings”. COST Program, Action TU0802. 2008-2013.
- Researcher of the project IDES-EDU “Master and Post Graduate education and training in multidisciplinary teams implementing EPBD and beyond”. European Commission.
- Researcher of the project H-OPUS “Housing Praxis for Urban Sustainability”. URBACT Program, European Commission.
- Researcher of the project “Improving the Quality of Suburban Building Stocks”. COST Program, Action TU0701. 2007-2012.
- Researcher of the project ANNEX 57 “Evaluation of Embodied Energy & Carbon Dioxide Emissions for Building Construction”. ECBCS, International Energy Agency.
- Researcher of the project ANNEX 56 “Energy and GHG Optimised Building Renovation”. ECBCS, International Energy Agency.
- ANNEX 50 “Prefabricated Systems for Low Energy Renovation of Residential Buildings”. ECBCS, International Energy Agency.
- SHE “Sustainable Housing in Europe”, contract nº EVK4-CT-2002-00104. European Commission
- URBVENT2000 “Natural Ventilation in Urban Areas – Potential assessment and optimal facade design”. European Commission.

National Research Projects

- Coordinator and researcher of the project “Development of a Sustainability Assessment Tool to Assess the Sustainability of Office and Tourism Buildings and Urban Planning”. Project in Co-promotion with Industry QREN SIFIDE 2009-2012.

- Coordinator and researcher of the project “Sustainable upgrade design of an office building”. ARH 2010-2011.
- Coordinator and researcher of the project VEEEME Eco-RoadMap “Strategic Vision for the Eco-efficiency of Construction Companies”. Mota-Engil 2009-2010.
- Co-coordinator and researcher of the project SipDECO “Development of innovative eco-efficient indoor partition walls”. Project in Co-promotion with Industry QREN SIFIDE 2008-2011.
- Researcher of the project “Adjust Membrane”. FCT PTDC/ECM 2008-2011.
- Co-coordinator and researcher of the project “Energy retrofitting on buildings”. FCT PTDC/ECM 2006-2011.
- Co-coordinator and researcher of the project GESREV “Development of a new integrated system based on Plaster for Interior Finish of Construction Elements”. ADI 2006-2009.
- Co-coordinator and researcher of the project “Energy Technology Laboratory”. FCT 2006-2007.
- Coordinator and researcher of the project “JEE - Janela Eco-eficiente (Eco Efficient Window)”. Awarded the BES Innovation Prize in 2007. ADI 2004-2007.
- Coordinator of the project “Non-conventional Buildings Test Cells”. FCT-POCTI/ECM 2002-2006.
- Coordinator and researcher of the project “Experimental Evaluation of the Acoustic and Thermo-hygrometric Performance of Non-Conventional Buildings”. CEC-LFCT 2001-2006.
- Co-coordinator and researcher of the project “Contribution of Thermal Active Mortars for Building Energy Efficiency”. FCT PTDC/ECM 2009-2012.

Publications - Books

- Ricardo Mateus e Luís Bragança, “Avaliação do Ciclo de Vida dos Edifícios - impacte ambiental de soluções construtivas”. ISBN: 978-989-96543-3-4, Lisboa, 2011.
- Ricardo Mateus e Luís Bragança; Guia de Avaliação SBTool^{PT} - H, V2009/1, 181 p.; Edição iiSBE Portugal, Guimarães, 2009; ISBN: 978-989-96543-0-3.
- Mateus, R.; Bragança, L. - Tecnologias Construtivas para a Sustentabilidade da Construção. Edições Ecopy, 2006. ISBN 978-989-95194-1-1. pp. 294.
- Luís Bragança e al., Livro Climatização e Instalações em Edifícios de Habitação – Edição de Autor, 2003. Volume 1: Abastecimento de Água, ISBN 972-99116-0-6; Volume 2: Drenagem de Águas Residuais e Pluviais, ISBN 972-99116-1-4; Volume 3: Abastecimento de Gás, ISBN 972-99116-2-2; Volume 4: Acústica, ISBN 972-99116-3-0; Volume 5: Térmica, ISBN 972-99116-4-9.
- Léa Souza, Manuela Almeida, Luís Bragança, Bê-A-Bá da Acústica Arquitectónica – Ouvindo a Arquitectura. EDUFSCar, São Paulo, Brasil, 2003. ISBN 85-903875-1-8.

Publications - Chapters of Books

- Bragança, L.; Almeida, M.G.; Mateus, R. Technical improvement of housing envelopes in Portugal. In Bragança, L.; Wetzel, C.; Buhagiar, V.; Verhoef, L.G.W. (Eds.), Improving the Quality of Existing Urban Building Envelopes – Façades and roofs. IOS Press: Amsterdam, The Netherlands. 2007. ISBN: 978-1-58603-737-6. p. 115-126.
- Almeida, M.G.; Bragança, L.; Mateus, R. – General overview of the problems, needs and solutions in the Portuguese building envelopes. In Melgaard E.; Hadjmichael, G.; Almeida, M.G.; Verhoef, L.G.W. (Eds.), Improving the Quality of Existing Urban Building Envelopes – Needs. IOS Press: Amsterdam, The Netherlands. 2007. ISBN: 978-1-58603-735-2. p. 121-129.
- Bragança, L.; Almeida, M.G.; Mateus, R. – State of the art: Portugal. In Andeweg M. T.; Brunoro, S.; Verhoef, L.G.W. (Eds.) - Improving the Quality of Existing Urban Building Envelopes – State of the Art. IOS Press: Amsterdam, The Netherlands. 2007. ISBN: 978-1-58603-734-5. p. 147-154.
- Luís Bragança; “Outcome of Working Group Urban Design”, Chapter II of the book “Improvement of Building’s Structural Quality by new Technologies - Outcome of the Cooperative Activities”. Editors Schaur, C., Mazzolani, F., Huber, G., de Matteis, G., Trumpf, H., Koukkari, H., Jaspert, J.-P. and Bragança, L., Final Scientific Report of COST Action C12, Balkema Publishers.2004, ISBN: 04-1536-610-0.
- Gervásio, H., Simões da Silva, L. and Bragança, L.; “Towards sustainability: life cycle assessment of building products” Chapter III.3.1 of the book “Improvement of Building’s Structural Quality by new Technologies - Outcome of the Cooperative Activities of COST Action C12”, Balkema Publishers, pp. 615-620 (2004).
- Bragança, L. and Mateus, R.; “Sustainability Assessment Datasheet”. Chapter III.3.2 of the book “Improvement of Building’s Structural Quality by new Technologies - Outcome of the Cooperative Activities of COST Action C12”, Balkema Publishers, pp. 621-628 (2004).
- Almeida, M. and Bragança, L.; “Thermal Assessment of Mixed Building Technology Solutions”. Chapter III.5.1 of the book “Improvement of Building’s Structural Quality by new Technologies - Outcome of the Cooperative Activities of COST Action C12”, Balkema Publishers, pp. 641-647 (2004).
- Bragança, L. and Patricio, J.; “Acoustic Assessment of Mixed Building Technology Solutions”. Chapter III.5.2 of the book “Improvement of Building’s Structural Quality by new Technologies - Outcome of the Cooperative Activities of COST Action C12, Balkema Publishers”, pp. 649-656 (2004).
- Almeida M., Bragança L., Mendes J., Silva S., “Layout urbano em função da eficiência energética dos edifícios”, Capítulo do Livro Contribuições para o Desenvolvimento Sustentável em Cidades Portuguesas e Brasileiras de José Mendes, António Silva, Léa Souza e Rui Ramos. Livraria Almedina. 2004, ISBN:972-40-2346-X.
- Luís Bragança; “Poluição Sonora”, Chapter 3 of the book “O Ambiente e a Saúde”. Editorial Piaget, 2003.

- Luís Bragança; “Inter-relação entre a Acústica, a Térmica e a Ventilação”, Chapter 7 of the book “Acústica nos Edifícios”. 2003. ISBN 972-9025-21-5.
- Luís Bragança; “O Modelo Energético do RSECE – Potências Nominais de Aquecimento e de Arrefecimento”, Chapter 3 of the book “Manual de Aplicação do RSECE (Regulamento dos Sistemas Energéticos de Climatização em Edifícios)”, Editor Ordem dos Engenheiros / Direcção Geral da Energia, 2000.

Edition of Proceedings

- Luís Bragança, Ricardo Mateus et al., “Sustentabilidade na Reabilitação Urbana - O Novo Paradigma do Mercado da Construção”, Livro de Actas da Conferência Nacional iiSBE Portugal. Edições iiSBE Portugal. ISBN 978-989-96543-2-7, Lisboa, 2011.
- Bragança L., Koukkari H., Blok R., Gervásio H., Veljkovic M., Borg R.P., Landolfo R., Ungureanu V., Schaur C.; Proceedings of International Conference on Sustainability of Constructions - Towards a Better Built Environment. Final Conference of the COST Action C25. Innsbruck, Austria, 3-5 February 2011. Gutenberg Press Ltd, 2011. ISBN: 978-99957-816-0-6.
- Bragança, L., Koukkari, H., Blok, R., Gervásio, H., Veljkovic, M., Plewako, Z. & Borg, R.P.; COST Action C25, Sustainability of Constructions – Integrated Approach towards Sustainable Constructions. Summary Report of Co-operative Activities. Volume I. Gutenberg Press Ltd, 2011. ISBN: 978-99957-816-1-3.
- Bragança, L., Koukkari, H., Landolfo, R., Ungureanu, V., Vesikari, E., Hechler, O.; COST Action C25, Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering. Summary Report of Co-operative Activities. Volume II. Gutenberg Press Ltd, 2011. ISBN: 978-99957-816-2-0.
- Vítor M. Ferreira, Luís Bragança, A. Baio Dias, A. Silva Afonso e Jorge de Brito (Edts.), Proceedings of the International Congress of Innovation on Sustainable Construction (CINCOS’10), Centro Habitat - Plataforma para a Construção Sustentável, 2010, ISBN 978-989-95978-1-5.
- Luís Bragança, Manuel Pinheiro, Ricardo Mateus, Rogério Amoêda, Paulo Mendonça, Manuela Almeida et al; Proceedings of the international conference “Portugal SB10: Sustainable Building Affordable to All. Vilamoura, Portugal, 17th to 19th, March, 2010. ISBN 978-989-96543-1-0.
- Luís Bragança et al; Proceedings of the International Training School for Early Stage Researchers on “Sustainable Construction - A Life Cycle Approach in Engineering”, Malta, 24 - 25 July 2010. ISBN 9789993209188.
- Luís Bragança et al; Proceedings of the International Symposium on “Sustainable Construction - A Life Cycle Approach in Engineering”, Malta, 26 July - 1 August 2010. ISBN 9789993209172.
- Luís Bragança et al; Proceedings of the International Workshop on Sustainability of Constructions - Integrated Approach to Life-time Structural Engineering. COST Action C25, 390 pages; Timisoara - Romania, October 2009; ISBN: 978-973-638-428-8.
- Vítor M. Ferreira, Luís Bragança, A. Baio Dias, A. Silva Afonso e Jorge de Brito (Edts.), Proceedings of the International Congress of Innovation on Sustainable Construction (CINCOS’08), Centro Habitat - Plataforma para a Construção Sustentável, 2008, ISBN 978-989-95978-0-8.
- Luís Bragança, Heli Koukari, Rijk Blok, Helena Gervásio, Milan Veljkovic, Zbigniew Plowako, Raffaele Landolfo, Viorel Ungureanu, Luís Simões da Silva e Peer Haller; Proceedings of the International Seminar on Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering, COST Action C25, 2008, ISBN 978-3-86780-094-5.
- L. Bragança, H. Koukkari, R. Blok, H. Gervásio, M. Veljkovic, Z. Plewako, R. Landolfo, V. Ungureanu, L.S. Silva; “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering – Proceedings of the 1st Workshop of the COST Action C25”. Lisbon, Portugal: September, 2007. ISBN 978-989-20-0787-8.
- Bragança L.; Pinheiro M., Jalali S.; Mateus R.; Amoêda R.; Guedes M.C.; International Conference “Portugal SB07: Sustainable Construction, Materials and Practices – Challenge of the Industry for the New Millennium”, Lisbon, 2007. IOS Press: Amsterdam, The Netherlands. ISBN: 978-1- 58603-785-7, 1154 pp.
- L. Bragança, H. Koukkari, R. Blok, H. Gervásio, M. Veljkovic, Z. Plewako, R. Landolfo, V. Ungureanu, L.S. Silva; “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering – Proceedings of the 1st Workshop of the COST Action C25”. Lisbon, Portugal: September, 2007. ISBN 978-989-20-0787-8.
- Schaur, C., Mazzolani, F., Huber, G., de Matteis, G., Trumpf, H., Koukkari, H., Jaspert, J.-P. and Bragança, L.; Proceedings of the Final Conference of COST Action C12 Improvement of Building’s Structural Quality by new Technologies, Innsbruck, Austria, 20-22 January, 2005. Balkema Publishers, ISBN: 04-1536-609-7.
- Schaur, C., Mazzolani, F., Huber, G., de Matteis, G., Trumpf, H., Koukkari, H., Jaspert, J.-P. and Bragança, L.; Final Scientific Report of COST Action C12 Improvement of Building’s Structural Quality by new Technologies - Outcome of the Cooperative Activities. Balkema Publishers. September, 2004, ISBN: 04-1536-610-0.
- Jorge Patrício, Luís Bragança, Furtado Gomes, Ana Falcão, Antonio Pérez-López, Antonio Calvo-Manzano Salvador Santiago; Proceedings of the European Symposium on Environmental Acoustics e do 4º Congresso Ibero-americano de Acústica, Universidade do Minho, Guimarães, 13-17, September, 2004. Edição em CD-ROM.

Publications in International Journals

- Ricardo Mateus, Luís Bragança; “Sustainability assessment and rating of buildings: Developing the methodology SBToolPT-H”, Building and Environment, Volume 46, Issue 10, October 2011, Pages 1962-1971, ISSN 0360-1323, DOI: 10.1016/j.buildenv.2011.04.023.

- Luis Braganca, Sergio Russo Ermolli and Heli Koukkari; “Phase Changing Materials in Building Elements”. International Journal of Sustainable Building Technology and Urban Development , Vol. 2, N. 1, March 2011.
- Heli Koukkari, Luís Bragança; “Review on the European Strategies for Energy-Efficient Buildings”. International Journal of Sustainable Building Technology and Urban Development , Vol. 2, N. 1, March 2011.
- Luís Bragança, Ricardo Mateus and Heli Koukkari; “Building Sustainability Assessment”. Sustainability, 2010, 2(7), 2010-2023; DOI: 10.3390/su2072010
- Nelson Silva, José B. Aguiar, Luís Bragança, Teresa Freire, Isabel Cardoso; Properties of Gypsum-PCM Based Mortars for Interior Plastering of Construction Systems. Advanced Materials Forum IV, Journal of Materials Science Forum, Vols. 587-588, pp. 913-917, September 2008.
- Paulo Mendonça & Luís Bragança; “Sustainable Housing with Mixed Weight Strategy – a Case Study”. Building and Environment, Volume 42, Issue 9, pp 3432–3443, September 2007.
- Luís Bragança and Manuela Almeida; "Sustainability and Functional Assessment of a Mixed Building Technology Solution". International Journal for Housing Science and Its Applications, Volume 28, Issue 4, 2004.
- Luís Bragança and Jorge Patrício; “Case study: Comparison between acoustic performance of a building using MBT solutions and that of conventional buildings”. Building Acoustics, Volume 11, Nº 3, June, 2004.
- Jorge Patrício and Luís Bragança 2004. Some Considerations about the Contribution of Roller Shutters Positions to Noise Insulation of Façades. Building Acoustics, Volume 12, Nº 4, September, 2004.
- Luís Bragança, M. Guedes de Almeida, José Mendes; “Energy efficiency for typical two-floor buildings in Portugal”. Archives of Civil Engineering, Vol. 46, Nº 4/2000.

Publications in National Journals

- P. Silva, M. Almeida, L. Bragança, V. Mesquita; “Reabilitação Energética de Edifícios Residenciais com aplicação de Soluções de Fachada Prefabricadas”. Construção Magazine, Vol. nº 35: nº Março (2010), p. 6.
- J. M. Monteiro, J. B. Aguiar, L. M. Bragança, J. R. Gomes e P. Santos, Utilização de materiais activos em argamassas, Arte&Construção, AJE, Nº 181, 22-28, Novembro, 2005.
- Paulo Mendonça e Luís Bragança; “Construção em Pedra e Conforto Térmico – Implicações na Redução do Impacto Ambiental”. Revista Rocha & Equipamentos, Março de 2002.
- J. Osvaldo Machatine, J. Pedro Couto, J. Cardoso Teixeira e Luís Bragança; “Identificação de Anomalias nas Instalações de Águas Residuais Domésticas. Método Não Destrutivo de Identificação de Anomalias”, Revista Materiais de Construção, nº94, Março/Abril de 2001.
- Luís Bragança e Francisco Correia; “Comparação entre Modelos de Previsão de Isolamento Sonoro a Sons de Condução Aérea de Elementos Construtivos”, Engenharia Civil - UM, Revista do Departamento de Engenharia Civil da Universidade do Minho, nº8, Braga, 2000.
- Almeida, M.; Garcia, V.; Maldonado, E.; Bragança, L.; "A Influência da Temperatura e da Radiação na Capacidade de Armazenamento dos Elementos Construtivos", Engenharia Civil - UM, Revista do Departamento de Engenharia Civil da Universidade do Minho, nº 5, Braga (1997).
- Bragança, L. e Maldonado, E.; "Validação Experimental dos Novos Valores de ΔT_e Propostos para o RCCTE", Engenharia Civil - UM, Revista do Departamento de Engenharia Civil da Universidade do Minho, nº 2, Braga (1995).
- Bragança, L. e Maldonado, E.; "Proposta de Novos Valores de ΔT_e para Adopção pelo RCCTE", Engenharia Civil - UM, Revista do Departamento de Engenharia Civil da Universidade do Minho, nº 1, Braga (1995).

Publications in Proceedings of International Conferences

- Sacht, H. M.; Bragança, L.; Almeida, M.; “Façade Modules for Eco-Efficient Refurbishment of Buildings: Trombe Wall Thermal Performance in different Portuguese Climates: Bragança, Coimbra, Évora and Faro”. SB11-World Sustainable Building Conference. Helsinki, 2011.
- Sacht, H. M.; Bragança, L.; Almeida, M.; Caram, R.; “Trombe Wall Thermal Performance for a Modular Façade System in different Portuguese Climates: Lisbon, Porto, Lajes and Funchal”. Building Simulation 2011. Sydney, 2011.
- Sacht, H. M.; Bragança, L.; Almeida, M.; “Façades Modules for Eco-Efficient Refurbishment of Buildings: Glazing Thermal Performance to Guimarães Climate”. International Conference “Towards a better built environment”. Innsbruck, Austria, 2011.
- Andrade, Joana; Bragança, Luis; “Analysis of the impacts of economic and social indicators to sustainability assessment”. International Conference “Towards a better built environment”. Innsbruck, Austria, 2011.
- Sacht, H.M.; Bragança, L.; Guedes de Almeida, M. - Facades Modules for Eco-Efficient Refurbishment of Buildings: Glazing Thermal Performance Analyses to Coimbra and Faro. 3rd International Conference Passive & Low Energy Cooling for the Built Environment Palenc 2010. Rhodes, Greece: October, 2010.
- Silva, P.; Silva, S.; Almeida, M.; Bragança, L.; Mesquita, V. - Portuguese Building Stock Indoor Environmental Quality “in-Situ” Assessment. 4th International Conference Passive & Low Energy Cooling for the Built Environment Palenc 2010. Rhodes, Greece: October, 2010.
- Lucas, S.; Pires, F.; Félix, M.; Aguiar, J.; Ferreira, V.; Bragança, L. - Application of latent heat thermal energy storage in cement mortars. Third International World of Construction Project Management Conference. Coventry, United Kingdom: October, 2010.

- Silva, P.; Silva, S.; Almeida, M.; Bragança, L. - Portuguese EPBD Based Regulation put side by side with Energy Simulation Tools. EuroSun 2010 – International Conference on Solar Heating, Coling and Buildings. Graz, Austria: September/October, 2010.
- Bragança, L.; Mateus, R. - The adaptation of the SBTool to the Portuguese context. Proceedings of the International Conference “CESB10 – Central Europe Towards Sustainable Building 2010”. Praga, República Checa: Junho, 2010.
- Mateus, R.; Bragança, L. - Is it possible to integrate accurate environmental assessment methods in building sustainability rating systems? International Conference “CESB10 – Central Europe Towards Sustainable Building 2010”. Prague, Check Republic: June, 2010.
- Bragança, L.; Mateus, R. - LCA Database for Portuguese Building Solutions. SB10 - Portugal SB10: Sustainable Building Affordable to All – Low Cost Sustainable Solutions. Vilamoura, Portugal. March, 2010.
- Machado, C.; Mateus, R.; Bragança, L. - Contribution to the Tourism Module of the Methodology SBToolPT. SB10 - Portugal SB10: Sustainable Building Affordable to All – Low Cost Sustainable Solutions. Vilamoura, Portugal. March, 2010.
- Mateus, R.; Bragança, L. - Sustainability Assessment of an Affordable Residential Building Using the SBToolPT Approach. SB10 - Portugal SB10: Sustainable Building Affordable to All – Low Cost Sustainable Solutions. Vilamoura, Portugal. March, 2010.
- Pereira da Silva, P.; Almeida, M.; Bragança, L.; Mesquita, V. - High Energy Efficiency Retrofit Module Development. Portugal SB10: Sustainable Building Affordable to All. Vilamoura, Portugal: Março, 2010.
- Sacht, H.M.; Bragança, L.; Guedes de Almeida, M. - Facades Modules for Eco-Efficient Refurbishment of Buildings: An Overview. Portugal SB10: Sustainable Building Affordable to All. Vilamoura, Portugal. March, 2010.
- Andrade, Joana; Bragança, Luis; Oliveira, Armando - Assessment of Solar XXI Building Sustainability by SBToolPT Methodology. Portugal SB10: Sustainable Building Affordable To All, Vilamoura, Portugal. March 2010.
- Silva, P.; Bragança, L.; Almeida, M.; “Energy, Comfort and IAQ “in-situ” Performance Assessment”. EuroAcademy on Ventilation and Indoor Climate - Course 6: IAQ and Human Body Exposure, Pamporovo, Bulgaria. 11-17 May 2009.
- Silva, P.; Silva, S.; Almeida, M.; Bragança, L.; “Accuracy of the Portuguese EPBD Implemented Thermal Performance Calculation Procedures – RCCTE”. Building Simulation Conference – BS2009, Glasgow, Scotland, July 2009.
- Koukkari H.; Bragança L. – Sustainable Construction pro an optimistic world scenario. In Proceedings of the International Workshop on Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering. COST Action C25, Timisoara, 2009, ISBN 978-973-638-428-8. pp 1-14.
- Pedro Silva, Manuela Almeida, Luís Bragança, Vasco Mesquita; “Methodology to Enhance the Portuguese Thermal Regulation Accuracy for Existing Buildings”. IBIPSA - Building Simulation Conference, Glasgow, Scotland, July 2009.
- Silva, P.; Silva, S.; Almeida, M.; Bragança, L. – Accuracy of the Portuguese EPBD Implemented Thermal Performance Calculation Procedures – RCCTE. Building Simulation Conference – BS2009, Glasgow, Scotland: July, 2009.
- Bragança L.; Mateus R. – New Approach to Environmental Life-cycle Analysis in Sustainability Rating Systems . International Conference “CINCOS’08: Congress of Innovation on Sustainable Construction”. Curia, Portugal: October, 2008. *In* Vítor M. Ferreira, Luís Bragança, A. Baio Dias, A. Silva Afonso e Jorge de Brito (Edts.), Plataforma para a Construção Sustentável. ISBN 978-989-95978-0-8. pp. 331-345.
- Mateus R.; Bragança L. – Sustainability Assessment of Residential Buildings: Metodology SBTool Portugal . International Conference “CINCOS’08: Congress of Innovation on Sustainable Construction, Portugal: October, 2008. *In* Vítor M. Ferreira, Luís Bragança, A. Baio Dias, A. Silva Afonso e Jorge de Brito (Edts.), Plataforma para a Construção Sustentável. ISBN 978-989-95978-0-8. pp. 347-359.
- Bragança L.; Mateus R. – Global Methodology for Sustainability Assessment: Integration of Environmental LCA in Rating Systems. International Seminar “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering”. Dresden, Germany: October, 2008. *In* Luís Bragança, Heli Koukari, Rijk Blok, Helena Gervásio, Milan Veljkovic, Zbigniew Plowako, Raffaele Landolfo, Viorel Ungureanu, Luís Simões da Silva e Peer Haller (Edts.), COST Action C25. ISBN 978-3-86780-094-5. pp. 2.3-2.14.
- Gervásio, H.; Simões da Silva L.; Mateus R.; Bragança L. – Survey of Sustainable Approaches in Portugal. International Seminar “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering”. Dresden, Germany: October, 2008. *In* Luís Bragança, Heli Koukari, Rijk Blok, Helena Gervásio, Milan Veljkovic, Zbigniew Plowako, Raffaele Landolfo, Viorel Ungureanu, Luís Simões da Silva e Peer Haller (Edts.), COST Action C25. ISBN 978-3-86780-094-5. pp. 2.61-2.70.
- Mateus R.; Bragança L.; Koukkari – Sustainability Assessment and Rating of Portuguese Buildings. International Conference “World SB08 Melbourne – Connected, Viable, Livable”. Melbourne, Australia: September, 2008.
- Bragança L.; Mateus R. – Building Refurbishing: One Step towards Sustainable Built Environment. International Conference “World SB08 Melbourne – Connected, Viable, Livable”. Melbourne, Australia: September, 2008.

- Pedro Silva, Manuela Almeida, Luis Braganca, Sandra Monteiro da Silva – Accuracy of some EPBD implemented thermal performance calculation procedures. International Conference “World SB08 Melbourne – Connected, Viable, Livable”. Melbourne, Australia: September, 2008.
- Mateus, R.; Bragança, L. – Development of an Integrated Index for Health and Comfort Stressors in Building Sustainability Assessment. International Students Seminar “Euroacademy on Ventilation and Indoor Climate”. Pamporovo, Bulgaria: May, 2008. *In* Peter Stankov (Edt.). ISBN 978-954-91618-8-1.
- Bragança L.; Mateus R. – Sustainability assessment of building refurbishing operations. International Conference “Portugal SB07: Sustainable Construction, Materials and Practices – Challenge of the Industry for the New Millenium”. Lisbon, Portugal: September, 2007. IOS Press: Amesterdam, The Netherlands. ISBN 978-1-58603-785-7. pp. 381-388.
- Bragança L.; Mateus R.; Koukkari H. – Perspectives of building sustainability assessment. International Conference “Portugal SB07: Sustainable Construction, Materials and Practices – Challenge of the Industry for the New Millenium”. Lisbon, Portugal: September, 2007. IOS Press: Amsterdam, The Netherlands. ISBN 978-1-58603-785-7. pp.356-365
- Bragança, L.; Koukkari, H. – Introduction to Sustainability and Integrated Life-Cycle Design. 1st Workshop of the COST Action C25 “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering”. Lisbon, Portugal: September, 2007. ISBN 978-989-20-0787-8.
- Bragança, L.; Mateus R.; Koukkari, H. – Assessment of building sustainability. 1st Workshop of the COST Action C25 “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering”. Lisbon, Portugal: September, 2007. ISBN 978-989-20-0787-8.
- Koukkari, H.; Kuhnhenne, M.; Bragança, L. – Energy in the sustainable European construction sector. 1st Workshop of the COST Action C25 “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering”. Lisbon, Portugal: September, 2007. ISBN 978-989-20-0787-8.
- Silva N.; Mateus R.; Bragança, L.. – Environmental characterization of gypsum-PCM plasters. 1st Workshop of the COST Action C25 “Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering”. Lisbon, Portugal: September, 2007. ISBN 978-989-20-0787-8.
- Mateus, R.; Silva, S.; Silva, P.; Bragança, L.; Almeida, M.; Mendonça, P. – Sustainability assessment of an energy efficient optimized solution. 2nd Palenc Conference & 28th AIVC Conference. Crete, Greece: September, 2007.
- Bragança, L.; Fernandes, C.; Botelho, H.; Batista, I. - Accessibility adaptation of a building in a historical city centre. POLIS/BAS International Conference - Universal Design of Buildings: Tools and Policy, Bruges/Gits, Belgium, November 16-17, 2006.
- Silva, P. And Bragança, L. - The New Portuguese Thermal Regulation – put side by side with Dynamic Simulation (Case Study). Climamed 2006, Lyon, France, November 20-21, 2006.
- Silva, P.; Bragança, L.; Almeida M. and Mendonça, P. - Achieving Thermal Inertia In Lightweight Constructions. Climamed 2006, Lyon, France, November 20-21, 2006.
- Luís Bragança, Heli Koukkari; “Verification of Durability of Novel Applications”. ESCS-2006 - European Symposium on Service Life and Serviceability of Concrete Structures, Espoo, Finland, June 12-14, 2006.
- P. Silva, P. Mendonça, L. Bragança and M. Almeida; “Sustainable Test Cell – Performance Evaluation”. HB2006 – Healthy Buildings, Lisbon, Portugal, June 4-8, 2006.
- Luís Bragança, Ricardo Mateus; “Sustainability Assessment of Building Solutions - A Methodological Approach”. SB04MED International Conference Sustainable Construction: Action for Sustainability in the Mediterranean. 9 - 11 June 2005. Athens, Greece.
- Luís Bragança, Heli Koukkari, Ricardo Mateus; “Sustainable Design Principles in Construction Sector”. SB04MED International Conference Sustainable Construction: Action for Sustainability in the Mediterranean. 9 - 11 June 2005. Athens, Greece.
- M. Almeida, L. Bragança and P. Mendonça; “Potentialities of Lightweight Construction Solutions for Sustainability”. PALENC 2005 International conference on passive and low energy cooling for the built environment. Santorini. Greece, 19-21, May, 2005.
- Bragança, L., and Mateus, R.; “Comparative Assessment of Exterior Walls Construction Solutions’ Sustainability”. COST C12 Final Conference Improvement of Building’s Structural Quality by new Technologies, Innsbruck, Austria, 20-22, January, 2005.
- Bragança, L., Koukkari, H. and Mateus, R.; “Sustainable Design in Construction Sector”. COST C12 Final Conference Improvement of Building’s Structural Quality by new Technologies, Innsbruck, Austria, 20-22, January, 2005.
- Bragança, L., and Mendonça, P.; “Functional Assessment of Lightweight Construction Solutions in View of Sustainability”. COST C12 Final Conference Improvement of Building’s Structural Quality by new Technologies, Innsbruck, Austria, 20-22, January, 2005.
- Gervásio, H., Simões da Silva, L. and Bragança, L.; “Sustainability assessment of new construction technologies: a comparative case study”. COST C12 Final Conference Improvement of Building’s Structural Quality by new Technologies, Innsbruck, Austria, 20-22, January, 2005.
- L. Bragança, M. Almeida, S. Silva e R. Mateus; “Acoustic Evaluation of Beam and Pot Slabs With Lightweight Regularization Layers - A Case Study”. European Symposium on Environmental and Building Acoustics, Guimarães, Portugal, 14-17, September, 2004.

- L. Bragança, M. Almeida, S. Silva, P. Mendonça; “Acoustic Evaluation of Some Non-Conventional Solutions in Construction”. European Symposium on Environmental and Building Acoustics, Guimarães, Portugal, 14-17, September, 2004.
- L. Bragança, S. Silva, M. Almeida; “Acoustic Rehabilitation of Buildings - A case study”. European Symposium on Environmental and Building Acoustics, Guimarães, Portugal, 14-17, September, 2004.
- Luís Bragança, Jorge Patrício and Bárbara Yü Belo; “Conversion of Jordão's Theatre Hall Into a Multipurpose Hall – Study of Its Acoustical Properties”. European Acoustics Association Symposium, Bilbao, Spain, October, 2003.
- Manuela Almeida, Luís Bragança and Manuela Nogueira; "On-Site Measurements Versus Analytical Approach in the Elaboration of Noise Maps and Assessment of the Critical Factors". European Acoustics Association Symposium, Bilbao, Spain, October, 2003.
- Luís Bragança, Jorge Patrício and Bárbara Yü Belo; “Acoustical rehabilitation of Jordão’s Theatre Hall – preliminary study”. EURONOISE 2003, Naples, Italy, May, 2003.
- Jorge Patrício and Luís Bragança; “The Contribution of Roller Shutters to Noise Insulation of Façades”. EURONOISE 2003, Naples, Italy, May, 2003.
- Manuela Almeida, Luís Bragança and Manuela Nogueira; “Noise map of the city of Guimarães Comparison and experimental validation of the prevision methods”. EURONOISE 2003, Naples, Italy, May, 2003.
- Fernando Santos and Luís Bragança: “Economic Analysis of Safety Risks in Construction”. CIB W99 International Conference in Construction Project Management Systems: The Challenge of Integration, São Paulo, Brazil, 25-28 March 2003.
- Luís Bragança, Manuela Guedes de Almeida, Luís Simões da Silva and José Mendes; “Building response to the thermal, acoustical and visual comfort functional demands - A comparative study between lightweight and traditional constructive solutions”; COST C12 Seminar, Lisbon, Portugal, 2002.
- L. Bragança, M. Almeida, R. Mateus and P. Mendonça, “Comparison between Conventional and MBT Constructive Solutions from an Economical and Environmental Point of View - Case study”. IAHS - International Association of Housing Science - XXX World Housing Congress, Coimbra, 2002.
- Luís Bragança, Manuela Guedes de Almeida, Sandra Monteiro Silva, P. Mendonça, “Acoustic Performance of a MBT Solution”. IAHS - International Association of Housing Science - XXX World Housing Congress, Coimbra, 2002.
- Manuela Guedes de Almeida, Sandra Monteiro Silva, Luís Bragança, “Cost Effective and Thermal Efficient Constructive Solutions - an economical analysis”. IAHS - International Association of Housing Science - XXX World Housing Congress, Coimbra, 2002.
- Manuela Guedes de Almeida, Luís Bragança, Sandra M. Silva, P. Mendonça “Thermal Performance of a MBT Solution”. IAHS - International Association of Housing Science - XXX World Housing Congress, Coimbra, 2002.
- Manuela Guedes de Almeida, Luís Bragança, A. Silva, P. Mendonça “Daylight Evaluation of a MBT Solution”. IAHS - International Association of Housing Science - XXX World Housing Congress, Coimbra, 2002.
- Helena Gervásio, Aldina Santiago, Luís Simões da Silva, Luís Bragança and José Mendes; "Safety and Functional Assessment of MBT Building Solutions in View of Sustainability". IAHS - International Association of Housing Science - XXX World Housing Congress, Coimbra, 2002.
- Jorge Patrício, Fernando Schiappa and Luís Bragança; “Acoustic efficiency of false ceilings: study on the influence of distance from the ceiling slab”. European Acoustics Association FORUM ACUSTICUM, Sevilla, Spain, September 2002.
- Luís Bragança and Paulo Mendonça; “Environmental Impact Reduction on Indirect Gain”. International Conference on Sustainable Public Housing. Naples, April, 2002.
- Luís Bragança, Manuela Guedes de Almeida, Sandra Silva e António Silva; “The Relative Impact of Different Constructive Components on the Total Building Thermal Load”. PLEA 2001 - International Conference on “Passive and Low Energy Architecture”. Florianópolis, Brasil, November 2001.
- M. Guedes de Almeida, Luís Bragança and Sandra Silva; “A Methodology to Select Cost Effective and Thermal Efficient Constructive Solutions”. PLEA 2001 - International Conference on “Passive and Low Energy Architecture”. Florianópolis, Brasil, November 2001.
- Paulo Mendonça, João Mendonça and Luís Bragança; “Planning Through Environmental Strategies”. PLEA 2001 - International Conference on “Passive and Low Energy Architecture”. Florianópolis, Brasil, November 2001.
- Luís Bragança, Sandra Silva and Jorge Patrício; “The Contribution of Thermal Insulation Constructive Solutions to the Improvement of Sound Insulation of Floors”. 17th International Conference on Acoustics, Rome, Italy, September 2001.
- Jorge Patrício and Luís Bragança; “An Invariant to Predict Noise Insulation of Beam and Pot Floors”. 17th International Conference on Acoustics, Rome, Italy, September 2001.
- Paulo Mendonça and Luís Bragança; “The Minimal Environmental Impact of Buildings”. 4th International Conference on Indoor Air Quality, Ventilation & Energy Conservation in Buildings, Changsha, Hunan, China, October 2001.
- Paulo Mendonça, Luís Bragança and Sandra Silva; “Smart Buildings, an Environmental Approach”. Composites in Construction, International Conference. Faculdade de Engenharia da Universidade do Porto, Portugal, October 2001.

- Paulo Mendonça and Luís Bragança; “The ‘Skin’ Strategy on Construction and the Environmental Impact Reduction”. Sharjah Solar Energy Conference, Sharjah, United Arab Emirates, February 2001.
- Jorge Patrício and Luís Bragança; “The Influence of Shutters Position on Noise Insulation of Facades”. Internoise 2000, Nice, Agosto de 2000.
- Paulo Mendonça e Luís Bragança; “Diseño Participativo de Viviendas Solar Pasivas en Climas Temperados”, II Taller Internacional de Vivienda Popular ViPo2000, Camagüey, Cuba, 14-16 Junho de 2000.
- Manuela Guedes de Almeida, Luís Bragança e Sandra Monteiro Silva; “Avaliação Energético-Económica de Configurações Típicas de Edifícios Urbanos”, II Taller Internacional de Vivienda Popular ViPo2000, Camagüey, Cuba, 14-16 Junho de 2000.
- Mendonça, P. and Bragança, L.; “Sustainable Building Construction – A Minimalist Approach”. REBUILD 99 Congress, Spain, Barcelona, October 3-6, (1999).
- Luís Bragança, José Mendes, M. Guedes de Almeida; “Energy Efficiency for Typical Building Layout“. PLEA 99 - International Conference on “Sustaining the Future”, Brisbane, Austrália, September 21-24, (1999).
- Luís Bragança, Paulo Mendonça; “The Loss of Weight and the New Attitude Towards Thermal Behaviour of Buildings”. PLEA 99 - International Conference on “Sustaining the Future”, Brisbane, Australia, September 21-24, (1999).
- M. Guedes de Almeida, Luís Bragança; “The Influence of the Urban Layout on the Thermal Performance of Buildings – A Case Study”. PLEA 99 - International Conference on “Sustaining the Future”, Brisbane, Australia, September 21-24, (1999).
- Paulo Mendonça, M. Guedes de Almeida and Luís Bragança; “Opening the Design on Bioclimatic Architecture – A Case Study”. IAHS - International Association of Housing Science - XXVII World Housing Congress, S. Francisco, USA, June 1-7, (1999).
- Manuela Guedes de Almeida; Luís Bragança and Eduardo Maldonado; “An Easy And Fast Computer Program for Thermal Simulation of Buildings Based on Variable Heat Capacity Concept”, PLEA 98, Portugal, Lisbon, from 31st May to 3rd June (1998).
- Luís Bragança and Eduardo Maldonado; “Cooling Load Calculation for High Inertia Buildings”, PLEA 98, Portugal, Lisbon, from 31st May to 3rd June (1998).
- Luís Bragança and José Mendes; “Evaluating Building Energy Consumption as a Function of Urban Layout: A Case Study”, REBUILD 98 Congress, Italy, Florence, April 1-3, (1998).
- Manuela Guedes de Almeida and Luís Bragança; “Low Energy Buildings. How Can They Be Easily Evaluated?”, REBUILD 98 Congress, Italy, Florence, April 1-3, (1998).
- Bragança, L. e Maldonado, E.; “Cooling Heat Gains from Partially Shaded Walls”, The Second World Congress on Heating, Ventilating, Refrigerating and Air Conditioning - CLIMA 2000, Jugoslávia, Sarajevo, Agosto/Setembro de 1989.

Publications in Proceedings of Ibero-american and Luso-african Conferences

- Sacht, H.M.; Bragança, L.; Guedes de Almeida, M. - Desenvolvimento de um sistema de fachadas modular para reabilitação eco-eficiente de edifícios. 8º Seminário Internacional NUTAU 2010, Arquitectura, Urbanismo e Design. S. Paulo, Brasil: Novembro, 2010.
- Sacht, H.M.; Bragança, L.; Guedes de Almeida, M. - Conceção de um sistema de fachada para reabilitação eco-eficiente de edifícios: estudo dos tipos de envidraçados para quatro cidades portuguesas. Entac 2010 - Encontro de Tecnologia do Ambiente Construído. Canela, Brasil: Outubro, 2010.
- L. Bragança, J. Matos; “Atenuação Acústica de Um Sistema de Ventilação Industrial”. TecniAcustica 2005, Terrasa, Outubro, 2005.
- M. Almeida, L. Bragança, M. Nogueira; “Mapa de Ruído de Guimarães - Comparação e validação dos resultados obtidos através de um método de simulação automático”. Acústica 2004 - 4º Congresso Ibero-Americano de Acústica, Guimarães, Setembro 2004.
- L. Bragança e J. Matos; “Breve Panorâmica do Ruído Industrial em Portugal”. Acústica 2004 - 4º Congresso Ibero-Americano de Acústica, Guimarães, Setembro 2004.
- L. Bragança e J. Matos; “Caso Prático de Acondicionamento Acústico de um Sistema de Ventilação Industrial”. Acústica 2004 - 4º Congresso Ibero-Americano de Acústica, Guimarães, Setembro 2004.
- Luís Bragança, Jorge Patrício, Bárbara Yü Belo e José Furtado Gomes; “Teatro Jordão: Estudo Comparativo entre os Valores de RASTI Calculados Analiticamente e os Obtidos por Medição”. Congresso Ibérico de Acústica, Bilbao, Espanha, Outubro de 2003.
- Luís Bragança, Manuela Guedes de Almeida e Alexandra Neves; “Anomalias Mais Comuns nas Coberturas dos Edifícios em Portugal e em Moçambique”. 3º Congresso Luso-Moçambicano de Engenharia, Maputo, Agosto de 2003.
- Osvaldo Machatine e Luís Bragança; “Reabilitação de Edifícios de Habitação - Abordagem Económica”. 3º Congresso Luso-Moçambicano de Engenharia, Maputo, Agosto de 2003.
- Luís Bragança, Manuela Almeida, Sandra Monteiro Silva, Jorge Patrício; “Avaliação de eficiência acústica de um edifício MBT”. Congresso Ibérico de Acústica, Sevilha, Espanha, 2002.
- Manuela Guedes de Almeida Luís Bragança, Sandra Monteiro Silva, Paulo Mendonça; “Análise do comportamento Térmico de Soluções Construtivas Mistas”. XII Congresso Ibérico e VI Ibero-Americano de Energia Solar. Vilamoura, Portugal, 2002.

- Luís Bragança, Sandra Silva, e Jorge Patrício; “A Contribuição dos Estores para o Isolamento Sonoro das Fachadas”. Congresso Ibérico de Acústica, Logrono, Espanha, Outubro de 2001.
- Luís Bragança e Osvaldo Machatine; “Caracterização de Patologias Verificadas em Algumas Construções da Cidade do Xai-xai”. 2º Congresso Luso-Moçambicano de Engenharia, Maputo, Setembro de 2001.
- Alexandra Neves, Luís Bragança, M. Guedes de Almeida; “Identificação das Principais Patologias em Fachadas”. 2º Congresso Luso-Moçambicano de Engenharia, Maputo, Setembro de 2001.
- Silvério Samuel, Osvaldo Machatine, João Lopes, Luís Bragança; “Contributo para uma Engenharia Civil Integrada em África”. 2º Congresso Luso-Moçambicano de Engenharia, Maputo, Setembro de 2001.
- Osvaldo Machatine, Casimiro Júnior, Luís Bragança e João Sanches; “Avaliação do Impacto Social nos Projectos de Engenharia Civil”. 2º Congresso Luso-Moçambicano de Engenharia, Maputo, Setembro de 2001.
- Bragança, Luís; Guedes de Almeida, Manuela; Mendes, José; “Eficiência Energética de Disposições Típicas de Edifícios”, V Congresso Ibero-Americano de Energia Solar, S. Paulo, Brasil, Agosto de 2000.
- Guedes de Almeida, Manuela; Bragança, Luís; Monteiro Silva, Sandra; “As Consequências Energéticas de Diferentes Formas de Implantação de um Edifício Urbano”, V Congresso Ibero-Americano de Energia Solar, S. Paulo, Brasil, Agosto de 2000.
- Mendonça, P., Carvalho, H. e Bragança, L.; “Tratamento da Radiação Solar em Construções Ligeiras”, V Congresso Ibero-Americano de Energia Solar, S. Paulo, Brasil, Agosto/Setembro de 2000.
- Paulo Mendonça e Luís Bragança; “Construções Solares Passivas de Madeira em Clima Temperado”, VII EBRAMEM (Madeiras e Estruturas de Madeira), S. Carlos, Brasil, Julho de 2000.
- Mendonça, P., Carvalho, H. e Bragança, L.; “Avaliação e Estudo do Comportamento de Elementos Sombreadores com Lâminas Fixas”, IX Congresso Ibérico de Energia Solar, Córdoba, Março de 2000.
- Luís Bragança, Osvaldo Machatine, Alexandra Neves e M. Guedes de Almeida; “Metodologia para a Caracterização das Necessidades de Conservação e Reabilitação das Construções na Cidade do Maputo”. 1º Congresso Luso-Moçambicano de Engenharia, Maputo, 14 a 16 de Setembro, (1999).
- Ana Falcão, Luís Bragança e Francisco Correia; “O Ruído Ambiental e as Actividades Económicas”, Acústica 98 - Congresso Ibero-Americano de Acústica, Portugal, Lisboa, 14 a 16 de Setembro, (1998).
- Luís Bragança e Francisco Correia; “Isolamento Sonoro a Ruídos Aéreos de Uma Habitação”, Acústica 98 - Congresso Ibero-Americano de Acústica, Portugal, Lisboa, 14 a 16 de Setembro, (1998).
- Bragança, L.; Correia, F.; Sousa, L. “O Isolamento Sonoro na Região do Minho - Comparação entre Valores Teóricos e Valores Reais”, TécniAcústica 97 - Congresso Ibero-Americano de Acústica, Espanha, Oviedo, Novembro de 1997.
- Bragança, Luís; “A Influência da Inércia Térmica nas Cargas Térmicas de Arrefecimento em Edifícios”, VIII Congresso Ibérico de Energia Solar, Portugal, Porto, Maio de 1997.
- Bragança, L. e Maldonado, E.; “Cargas Térmicas de Arrefecimento Provenientes das Coberturas dos Edifícios”, VII Congresso Ibérico de Energia Solar, Espanha, Vigo, Maio/Junho de 1994.
- Bragança, L. e Maldonado, E.; “Cargas Térmicas Resultantes da Exposição Solar em Paredes de Alvenaria”, VI Congresso Ibérico de Energia Solar, Portugal, Lisboa, Abril de 1993.
- Bragança, L.; “A Influência da Inércia Térmica nas Cargas Térmicas de Arrefecimento em Edifícios”, VIII Congresso Ibérico de Energia Solar, Portugal, Porto, Maio de 1997.
- Bragança, L. e Maldonado, E.; “O Efeito de Palas Sombreadoras na Redução das Cargas Térmicas de Verão Através de Paredes Exteriores”, IV Congresso Ibérico de Energia Solar, Portugal, Porto, Julho de 1988.

Publications in Proceedings of National Conferences

- Veríssimo, Miguel; Rodrigues, Daniel; Andrade, Joana; Bragança, Luís - Visão estratégica para a eco-eficiência das empresas de construção civil – Eco-RoadMap. 1º Conferência Nacional iiSBE - Sustentabilidade na Reabilitação Urbana: O novo paradigma do mercado da construção. Lisbon, Portugal, September 2011.
- Veríssimo, Miguel; Rodrigues, Daniel; Bragança, Luís; Andrade, Joana; Sanches, Romeu; Ferreira, Dulcina; Peixoto, Vitor - Visão Estratégica para a Eco-Eficiência das Empresas de Construção Civil – Eco-RoadMap. ENEGI 2011 - Encontro Nacional de Engenharia e Gestão Industrial. Guimarães, Portugal. 2011.
- Andrade, Joana; Bragança, Luís - A Sustentabilidade do Edifício Solar XXI. Congresso de Inovação na Construção Sustentável - CINCOS’10. Cúria, Portugal. 2010.
- Bragança L.; Mateus R. – A Construção Sustentável e o Novo Código dos Contratos Públicos. National Conference “BE2008: Betão Estrutural 2008”. Guimarães, Portugal, November, 2008.
- Fonseca, Ricardo; Inácio, Octávio; Freitas, Elisabete; Bragança, Luís - Determinação do Desempenho Acústico de Dispositivos de Redução de Ruído do Tráfego Rodoviário. ACÚSTICA 2008 – V Congresso Ibérico de Acústica. Coimbra, Portugal: Outubro, 2008.
- Daniel Pinheiro, Luís Bragança, José Barroso Aguiar; “Descolagem de um revestimento cerâmico em fachada”. PATORREB 2006 – 2º Encontro sobre Patologia e Reabilitação de Edifícios, Porto, Portugal, 20 e 21 de Março de 2006.
- Daniel Pinheiro, Luís Bragança, José Barroso Aguiar; “Proposta de reabilitação de edifício com patologias”. PATORREB 2006 – 2º Encontro sobre Patologia e Reabilitação de Edifícios, Porto, Portugal, 20 e 21 de Março de 2006.
- J. M. Monteiro, J. B. Aguiar, L. M. Bragança, J. R. Gomes e P. Santos; “Argamassas com desempenho térmico melhorado”. 1º Congresso Nacional de Argamassas de Construção, APFAC, Lisboa, 24-25 Novembro 2005.

- L. Bragança, M. Almeida, S. Silva, P. Mendonça; “Avaliação do Comportamento Acústico de Soluções Construtivas não Convencionais” Construção 2004 - 2º Congresso Nacional da Construção, Porto, Dezembro 2004.
- R. Mateus e L. Bragança; “Avaliação Comparativa da Sustentabilidade de Soluções Construtivas”. Construção 2004 - 2º Congresso Nacional de Construção, Porto, 13 a 15, Dezembro, 2004.
- Luís Bragança, Fernando Santos; “Análise e Gestão de Riscos de Segurança na Construção”. Seminário Segurança na Construção - A coordenação e os custos da segurança, UTAD - Vila Real, 3 de Dezembro, 2004.
- R. Mateus e L. Bragança; “Avaliação da Sustentabilidade da Construção: Desenvolvimento de uma Metodologia para a Avaliação da Sustentabilidade de Soluções Construtivas”. I Congresso Sobre Construção Sustentável, Exponor, 28 e 29, Outubro, 2004.
- L. Bragança e R. Mateus; “A Contribuição da Nova Regulamentação Energética de Edifícios para a Sustentabilidade da Construção” Civil’04 – Jornadas de Engenharia Civil, Universidade do Minho, 26 a 29, Abril, 2004.
- Luís Bragança, Jorge Vieira e Filipe Ferreira; “Tecnologia de Utilização de Chapas de Cobre na Reabilitação de Edifícios Antigos”. PATORREB – 1º Encontro Nacional de Patologia e Reabilitação de Edifícios, Porto, Portugal, 18 e 19 de Março de 2003.
- Luís Bragança, Manuela Guedes de Almeida e Ricardo Mateus; “Anomalias Mais Comuns nas Fachadas de Edifícios do Concelho de Guimarães”. PATORREB – 1º Encontro Nacional de Patologia e Reabilitação de Edifícios, Porto, Portugal, 18 e 19 de Março de 2003.
- Luís Bragança, M. Guedes de Almeida, Ricardo Mateus, Sara Lopes; “Algumas Causas de Patologias em Fachadas – Caso de Estudo”. Congresso Nacional da Construção – Construção 2001”. Lisboa, Dezembro de 2001.
- Paulo Mendonça e Luís Bragança; “Como Pode a Redução do Peso da Construção Contribuir para a Redução do Impacto Ambiental?”. Congresso Nacional da Construção – Construção 2001”. Lisboa, Dezembro de 2001.
- M. Guedes de Almeida, Luís Bragança e Sandra Silva; “Metodologia para Escolher Soluções Construtivas Termicamente Eficientes”. Congresso Nacional da Construção – Construção 2001”. Lisboa, Dezembro de 2001.

Patents

- J. M. Monteiro, J. B. Aguiar, L. M. Bragança and J. R. Gomes, “Argamassas incorporando microcápsulas de materiais de mudança de fase (PCM), seu processo de obtenção e sua utilização no revestimento interior de sistemas construtivos”, Patent number: 103 336, 2007.
- Miguel Verissimo, Luís Bragança and Manuela Almeida, “Sistema de Controlo de Energia em Vãos Exteriores de Edifícios Eco-Eficientes”, Patent number: 103 579, 2007.

Prototypes

- Test Cells to Measure Airborne Sound Insulation and Thermal Insulation of Walls: LFTC, Campus de Azurém, University of Minho. Completed in March 2010.
- Test Cells for Membrane Constructions: Campus de Azurém, University of Minho. Completed in December 2009.
- JEE “Janela Eco-Eficiente” Eco-efficient Window: LFTC, Campus de Azurém, University of Minho. Completed in June 2006.
- Real Scale Multifunctional Test Cells: LFTC, Campus de Azurém, University of Minho. Completed in March 2006.
- Real Scale Non-conventional Building Test Cells: LFTC, Campus de Azurém, University of Minho. Completed in May 2003.

Guimarães, April 2014