

LUIS QUESADA

Born:	March 3, 1975	Citizenship:	Colombian & Irish
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Dr. Luis Quesada received his PhD in computer science from Université Catholique de Louvain in 2006 for his work on solving constrained graph problems using global constraints based on the notion of dominators. Since January 2007, he works as a research scientist at the Cork Constraint Computation Centre (4C), a world-leading research centre dedicated to large-scale complex optimisation. 4C and 4 other Irish leading research centres were merged to form The Insight Centre for Data Analytics (Insight). During his first three years at Insight, Dr. Quesada worked on the personalisation of context-aware telecommunication services. Since January 2010, he works on the solutions of combinatorial optimisation problems that arise from the configuration of telecommunication networks in both the CTVR project (an SFI project) and the DISCUS project (an FP7 project). In both CTVR and DISCUS, he has been involved in the development of CP based local search and hybrid approaches for locations problems and cable routing problems. During his PhD studies he was one of the research assistants of MISURE, a project with the European aerospace industry whose goal was to develop a system capable of automatically managing the mission of an uninhabited air vehicle. Dr Quesada has been invited lecturer at both Pontificia Universidad Javeriana (Colombia) and University College Cork (Ireland), and teaching assistant at both Université Catholique de Louvain (Belgium) and at the University of Melbourne (Australia).

Professional Experience

1997-2001:	Research Assistant, Universidad Javeriana (Cali, Colombia)
2001-2006:	Research Assistant, Université Catholique de Louvain (Louvain La Neuve, Belgium)
2007-2010:	Post-doctoral Researcher, 4C, University College Cork (Cork, Ireland)
2010-2015:	Senior Post-doctoral Researcher, Insight, University College Cork (Cork, Ireland)
2015-Present:	Research Project Leader, Insight, University College Cork (Cork, Ireland)

Publications

5 most relevant publications:

1. M. Ruffini, M. Achouche, A. Arbelaez, R. Bonk, A. Di Giglio, N. Doran, M. Furdek, R. Jensen, J. Montalvo, N. Parsons, T. Pfeiffer, L. Quesada, C. Raack, H. Rohde, M. Schiano, G. Talli, P. Townsend, R. Wessaly, L. Wosinska, X. Yin, D. Payne. Access and metro network convergence for flexible end-to-end network design. *Journal of Optical Communications and Networking*. June 2017.
2. Alejandro Arbelaez, Deepak Mehta, Barry O'Sullivan, Luis Quesada. A constraint-based parallel local search for the edge-disjoint rooted distance-constrained minimum spanning tree problem. *Journal of Heuristics*. June 2017.
3. Luis Quesada, Lanny Sitanayah, Kenneth N. Brown, Barry O'Sullivan, Cormac J. Sreenan: A constraint programming approach to the additional relay placement problem in wireless sensor networks. *Constraints* 20(4): 433-451 (2015)
4. David Lesaint, Deepak Mehta, Barry O'Sullivan, Luis Quesada, Nic Wilson: Developing Approaches for Solving a Telecommunications Feature Subscription Problem. *J. Artif. Intell. Res. (JAIR)* 38: 271-305 (2010)
5. D. Mehta, B. O'Sullivan, and L. Quesada. Extending the notion of preferred explanations for quantified constraint satisfaction problems. *ICTAC 2015*: 309-327

Other Activites

- Peer referee: AAI, CP, ICLP, AICS, CLEI
- PC member: IJCAI, ICTAI, AICS, CLEI

A longer version of my CV

A longer version of my CV can be found at:

<http://ucc.insight-centre.org/lquesada/FullCV.pdf>

In this version you can find my full list of publications and international talks. In this version I also elaborate on my research interest and my research plan.