Articles Published for the PhD Thesis:

1. **Kallia Chronaki**, Alejandro Rico, Rosa M. Badia, Eduard Ayguadé, Jesús Labarta, Mateo Valero: "Criticality-Aware Dynamic Task Scheduling for Heterogeneous Architectures" in *International Conference on Supercomputing ICS 2015, New Port Beach California, pp 329-338*
2. **Kallia Chronaki**, Miquel Moretó, Marc Casas, Alejandro Rico, Rosa M. Badia, Eduard Ayguadé, Jesús Labarta, Mateo Valero: "POSTER: Exploiting Asymmetric Multi-Core Processors with Flexible System Sofware" in *International Conference on Parallel Architecture and Compilation Techniques PACT 2016, Haifa Israel, pp 415-417*
3. **Kallia Chronaki**, Alejandro Rico, Marc Casas, Miquel Moretó, Rosa M. Badia, Eduard Ayguadé, Jesús Labarta, Mateo Valero: "Task Scheduling Techniques for Asymmetric Multi-Core Systems" in *IEEE Transactions of Parallel and Distributed Systems (TPDS) volume 28 number 7, pp 2074-2087 July 2017*
4. **Kallia Chronaki**, Marc Casas, Miquel Moretó, Jaume Bosch, Rosa M. Badia: "TaskGenX: A Hardware-Software Proposal for Accelerating Task Parallelism" in *Interntional Supercomputing Conference (ISC) 2018, pp 389-409*

Other relevant publications not included in the Thesis:

1. Emilio Castillo, Miquel Moretó, Marc Casas, Lluc Alvarez, Enrique Vallejo, **Kallia Chronaki**, Rosa M. Badia, José Luis Bosque, Ramón Beivide, Eduard Ayguadé, Jesús Labarta, Mateo Valero: "CATA: Criticality Aware Task Acceleration for Multicore Processors" in *International Parallel and Distributed Processing Symposium (IPDPS) 2016, pp 413-422*
2. Hans Vandierendonck, **Kallia Chronaki**, Dimitrios S. Nikolopoulos: "Deterministic scale-free pipeline parallelism with hyperqueues", *in Supercomputing (SC) 2013, pp 32:1-32:12*