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Evolução e Desafios da Computação Paralela e de Alto Desempenho

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Nesta palestra apresentaremos uma visão geral da área de programação paralela e os desafios de pesquisa rumo ao exascale. Após um breve histórico da evolução dessas tecnologias, mostraremos as vantagens e limitações das principais ferramentas atualmente em uso assim como as principais tendências para o futuro.

Bio: Alfredo Goldman is Associate Professor at the University of São Paulo (USP), Brazil. He received his PhD in Computer Science from Grenoble's Polytechnic Institute in 1999, and his thesis addressed scheduling on Parallel Computing. Author of over 80 scientific publications in journals and at international conferences. He was co-PC chair in 2014 of SBAC-PAD in Paris and IEEE NCA in Boston. He is currently subject area editor of Elsevier Parallel Computing. Recently he was invited co-editor on special issues on Concurrency, Practice and Experience, JISA and Parallel Computing. He is track-chair on Grid and Cloud Computing on Europar 2017 and coordinator of an Advanced School on Smart Cities also in 2017.

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