

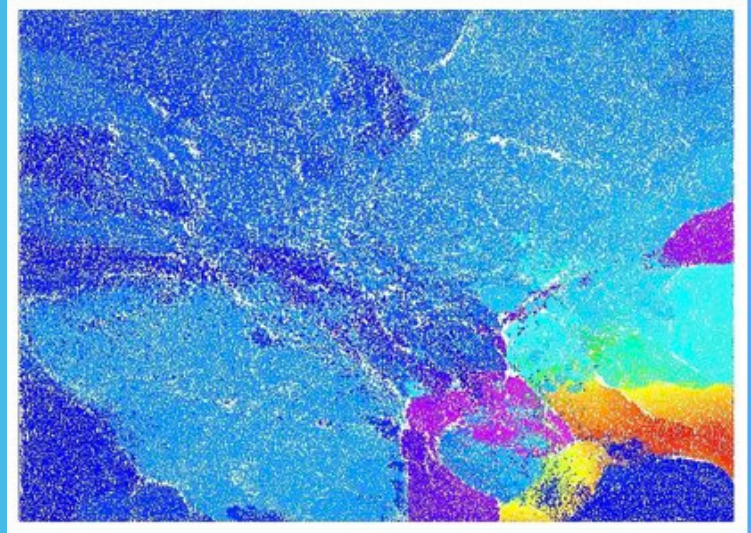
IEEE CASS Seasonal School on

Physical Design Automation

Porto Alegre, Brazil

July 31 to August 5, 2017

www.inf.ufrgs.br/cass/pda/



The 2017 Seasonal School on Physical Design Automation aims to offer a set of talks on key topics of physical design automation of integrated circuits in modern and upcoming technologies. It should represent current and future challenges that are faced by industry and academia for the implementation of ever more complex circuits and systems. We want to promote discussion on hot topics and cover fundamental algorithms and computational methods in the area, so that the attendance can leverage their comprehension and capabilities, while also attracting new students and researchers to the right problems. The courses will be given by prominent international researchers with extensive expertise in their fields. Associated to the school, a book will be organized and published by an international publisher.

The School's technical program will include 8 courses of 2h40min each, divided into two parts of 1h20min each, with a coffee break. There will be a panel each day to involve participants into discussions related to the subjects covered. In the afternoon coffee break, there will be a poster sessions related to the school topics. The corresponding call for posters is available in the webpage.

THE MAIN TOPICS TO BE COVERED BY THE SCHOOL WILL INCLUDE:

- Global and Detailed placement
- Gate sizing
- Routing and routability
- Tools for 3D architectures
- Layout manufacturability
- Clock routing buffer/wire sizing
- Machine Learning for EDA
- Layout Design Automation

Some of the speakers are:

- Andrew Kahng, UCSD, USA
- William Swartz, TimberWolf Systems and UT Dallas, USA
- Laleh Behjat, Univ. Calgary, Canada
- Patrick Madden - SUNY Binghamton, USA
- Ulrich Brenner - University of Bonn, Germany
- Evangeline Young - CUHK, Hong Kong
- Mark Po-Hung Lin - NCCU, Taiwan
- Patrick Groeneveld, Formerly Synopsys, USA

General Chair :Ricardo Reis, UFRGS, Brazil

Program Chairs

Patrick Madden, SUNY Binghamton, USA
Marcelo Johann, UFRGS, Brazil

Poster Session Chair: Jucemar Monteiro, UFRGS

Local Organization Chair

Mateus Fogaça, UFRGS
Jody Matos, UFRGS

IEEE CASS Liaison: Ricardo Reis, UFRGS, Brazil

IEEE CEDA Liaison: José Guntzel, UFSC, Brazil

