



Optimization Program MIPDECO Workshop

March 29-31, 2017

SCHEDULE

Wednesday, March 29th

SAMSI Room 150

8:45-9:00	Registration
9:00-9:15	Welcome and Introduction Richard Smith , SAMSI Director
9:15-9:30	Workshop Plan
9:30-10:30	Volker Schulz , University of Trier <i>"Introduction to Shape Optimization"</i>
10:30-11:00	Break
11:00-12:00	Sven Leyffer , Argonne National Laboratory <i>"Introduction to Mixed-Integer Optimization"</i>
12:00-12:15	Organize Working Groups
12:15-1:15	Lunch
1:15-3:15	Working Groups
3:15-3:45	Break
3:45-5:15	Reports from Groups – three short presentations from each group
6:00	Shuttle to Hotel

Thursday, March 30th

SAMSI Room 150

9:00-10:30	Working Groups
10:30-11:00	Break and Discussion
11:00-12:30	Working Groups – continued
12:30-1:00	Update from Groups – three short presentations from each

1:00-2:00	Lunch
2:00-3:00	Bart van Bloemen-Waanders , Sandia National Laboratories <i>“Methods for PDE Constrained Optimization”</i>
3:00-3:30	Break
3:30-4:30	Lars Ruthotto , Emory University <i>“Tutorial – PDE Constrained Optimization with Julia”</i>
4:30-5:00	Break
5:00-6:00	Joey Hart , North Carolina State University <i>“Exploiting Problem Structure in Mixed-Integer PDE-Constrained Optimization”</i>
6:00	Shuttle to Hotel

Friday, March 31st
SAMSI Room 150

9:00-9:30	Brainstorming – planning next steps
9:30-10:30	Paper Writing in Groups
10:30-11:00	Break
11:00-Noon	Paper Writing in Groups - continued
Noon-1:00	Lunch
1:00-2:00	Working Groups and Wrap-up – final discussions and tasks
2:00	Adjourn