

Summer school program

Tuesday (14/8)	Wednesday (15/8)	Thursday (16/8)	Friday (17/8)	Saturday (18/8)
	8:00 Breakfast	8:00 Breakfast	8:00 Breakfast	8:00 Breakfast + check-out
	9:00 Relaxation techniques (Martin Skovgaard Andersen)	9:00 Basics of Line-Search Algorithms (continued) (Oswin Krause)	9:00 Basic elements in convex analysis (Tao Wu)	9:00 Applications in vision and learning (Tao Wu)
	9:45 Exercises	9:45 Exercises	10:00 Introduction of proximal algorithms (Tao Wu)	Excercises (requires labtops with Matlab)
	10:20 Coffee break	10:20 Coffee break	10:45 Coffee break	10:20 Coffee break
	10:30 Introduction: Calculus of Variations in IA. (François Lauze)	10:30 Okay, but Newton is expensive... (Oswin Krause)	11:00 Convergence analysis under conv (Tao Wu)	10:30 Cut pursuit working set strategy (Loic Landrieu)
07:30 Bus from Lyngby 08:00 Bus from Kbh H	11:15 Recall from Calculus, Gradients, tools for infinite dimension (François Lauze)	11:15 Exercises		11:15 SuperPoint Graph: 3D point cloud semantic segmentation (Loic Landrieu)
12:00 Arrival at school location Lunch + check-in	12:00 Lunch	12:00 Lunch	12:00 Lunch	12:00 Lunch
13:00 Introduction & convex sets and functions (Martin Skovgaard Andersen)	13:00 Exercises	13:00 Social activities	13:00 Extension to nonconvex problems (Tao Wu)	13:00 Bus to Kbh H + Lyngby
13:30 Exercises	13:45 Some detailed problems. Simple denoising, Total Variation, etc... (François Lauze)			16:00 Arrival at Kbh H 16:30 Arrival at Lyngby
14:00 Convex sets and functions (continued) (Martin Skovgaard Andersen)	14:30 Exercises			
14:45 Coffe break and cake	15:00 Coffe break and cake		14:45 Coffe break and cake	
15:00 Conic optimization and modeling (Martin Skovgaard Andersen)	15:15 More geometric problems, optimization on curves (François Lauze)		15:00 Structured optimization, total variation, proximal splittings (Loic Landrieu)	
15:45 Computer excercises (requires laptops with either MATLAB, Python, R, or Julia)	16:00 Exercises		17:15 Excercises (requires labtops with python/ipython notebook)	
16:30 Majorization and sequential convex optimization (Martin Skovgaard Andersen)	16:45 Basics of Line-Search Algorithms (Oswin Krause)		18:00 Conference dinner	
17:15 Exercises	17:30 Excercises			
18:00 Dinner	18:30 Dinner	Dinner off site		
19:30 Poster session	20:00 Poster session	20:30 Back at Sandbjerg		