

### Density Functional Theory Based Tight Binding Methods Tentative Schedule

July 19 - Tuesday	10:00	Basics of Linux	Tutorial
	12:00	Lunch	
	14:00	Welcome, introduction & organisation announcements	
	14:30	Basics of Density Functional Theory	Lecture
	16:00	Break	
	16:30	Basics of DFTB	Lecture
July 20 - Wednesday	09:00	DFTB calculations for periodic systems	Lecture
	10:30	Break	
	11:00	First steps with DFTB / Defect calculations in 2D structures	Tutorial
	12:30	Lunch	
	14:00	Excursion /Free time	
July 21 - Thursday	09:00	Molecular Dynamics: Background	Lecture
	10:30	Break	
	11:00	MD and XLBOMD with DFTB+	Tutorial
	12:30	Lunch	
	14:30	Equilibrium Greens Functions for Transport Calc.	Lecture
	16:00	Break	
	16:30	Equilibrium Greens Functions for Transport Calc.	Tutorial
July 22 - Friday	09:00	Non-equilibrium Greens Function for Transport	Lecture
	10:30	Break	
	11:00	Non-equilibrium Greens Function for Transport	Tutorial
	12:30	Lunch	
	14:30	Excited states, correlated matter and other advanced topics	Lecture
	16:00	Break	
	16:30	Excited states, correlated matter and other advanced topics	Tutorial

Lecture/Tutorial units are 90 minutes long, coffee breaks 30 minutes