## Special Topics in Ship Design:

#### Program

# FIRST DAY - INTRODUCTION, June 19 2017, Lecture room B1, time 14.00 – 18.00

1	1	YACHT DESIGN TODAY	
	2	TRENDS IN SAILING YACHT DESIGN	
	3	TRENDS IN POWERBOAT DESIGN	
		(mega-yachts as technology drivers)	
	4	SUSTAINABLE CONCEPTS IN YACHT DESIGN	

## SECOND DAY - POWER CRAFT DESIGN, June 20 2017, Lecture room B1, time 14.00 – 18.00

2	1	HULL FORMS FOR MOTOR YACHTS	
	2	HYDRODYNAMIC AND POWERING PERFORMANCES	
	3	POWERBOAT STRUCTURAL DESIGN 1	
		(materials, material characterization, building techniques,	
		structural morphology)	
	4	POWERBOAT STRUCTURAL DESIGN 2	
		(scantlings for metals, plywood and GRP single skin plates)	

### THIRD DAY SAILING YACHT DESIGN, June 21 2017, Lecture room B1, time 14.00 – 18.00

3	1	HULL FORM DEVELOPMENT OF SAILING YACHTS	
	2	STRUCTURAL DESIGN OF SAILING YACHTS	
		(peculiar aspects, sandwich structures, one off sandwich	
		construction)	
	3	ADVANCES IN SAILING YACHT TECHNOLOGY	
		(rig and spars, canting and lifting keels, deck hardware, sail	
		construction)	
	4	DYNAMIC STABILITY, A NEW CONCEPT IN SAILING YACHT	
		DESIGN	