







	HCU HafenCity Universität Hamburg
Goals	
Precise Positioning	24 section
 Based on GPS carrier phases with ambiguity determination 	
 Accuracy better than 3 cm 	embedded
 Distances to reference station up to 40 km 	in one
 Real-time capability 	concept
 fast ambiguity resolution 	
 Advanced reliability and availability with INS 	independent
integration	from
Attitude Determination	GNSS/INS
 Based on GNSS and INS 	manufacturer
2006/10/09 Optimization of Hydrographic Positioning and Attitude Determination 5 V. Böder 5	































