

6. Treffen der BinSmart-Begleitforschungsgruppe +
Abschlussveranstaltung AutonomSOW II



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Die Schlei: Europas größtes digitales Testfeld!

Chance zur Technologieführerschaft vollständig autonomer (und emissionsfreier) Systeme



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Kernteam



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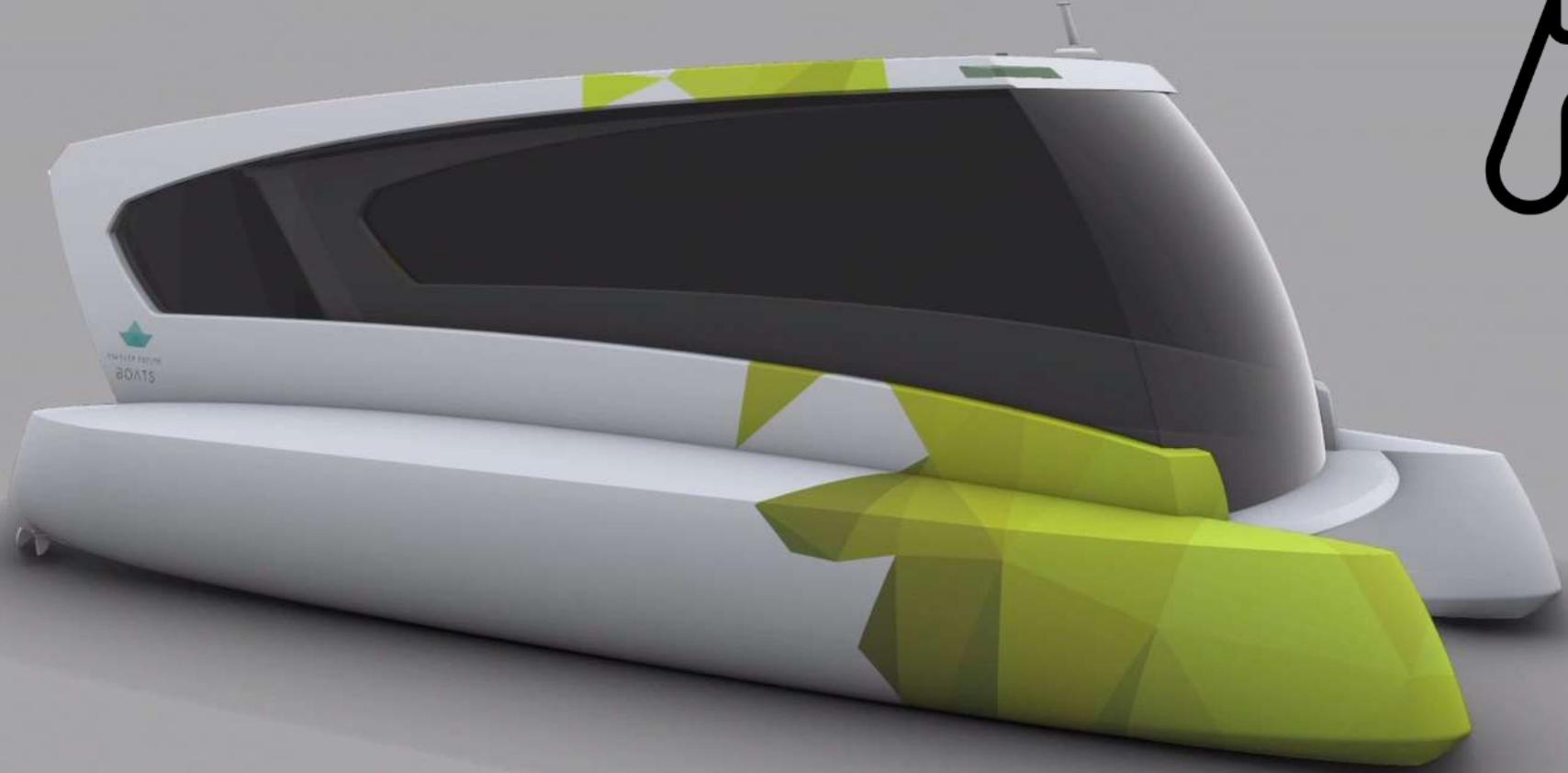
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GREEN BOATS ENGINEERING



Reallabore
Testräume für Innovation
und Regulierung

KI im Einsatz

Übersicht digitales Testfeld Schlei

Schleimünde

Kappeln

Arnis

Digitales Testfeld
Abschnitt 2

Lindaunis

Digitales Testfeld
Abschnitt 1

Schleswig

Missunde

Haithabu

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Technikträger ZeroOne



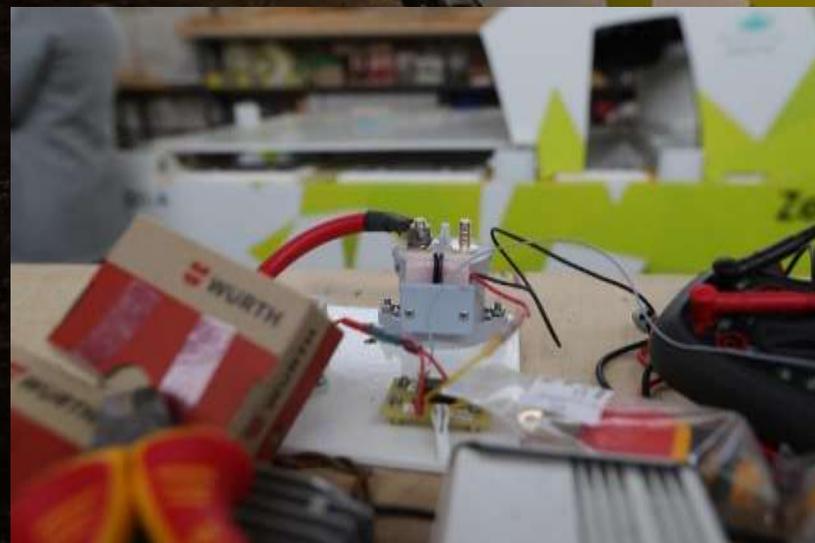
KI in autonomen Systemen





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KI in emissionsfreien Systemen





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Ostsee und Schlei







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Rinoff POLARIS

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Andreas Volkmar



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Andreas Volkmar



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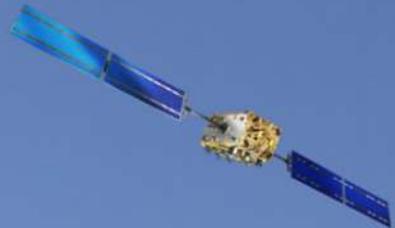
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DIGITAL PORT

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business
incubation
centre
Northern Germany



Unleash Future Boats GmbH
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Unleash Future Boats GmbH is a digital company in the mobility and logistics industry with its headquarters in Germany. We are developing an ecosystem for #zeroemission #autonomous boats and ships with fully digital ports, shi...see more

3:30

European Space Agency (ESA BIC NG) presenting Unleash Future Boats - Z...





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Ethik von autonomen Systemen und KI

Autonomous Ferries and Cargo Ships: Discovering Ethical Issues via a Challenge-Based Learning Approach in Higher Education

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Abstract—The ethics of autonomous vehicles continue to be discussed at length in both academia and with the general public. Even though on the level of principles, there is ample fruitful discourse, what is often missing, is a discussion targeted at implementation specific ethical challenges. However, outcomes of these discussions could guide developers and stakeholders in advancing towards a thoroughly responsible design of these autonomous and intelligent systems. This contribution reports on the investigation of the ethics of autonomous, zero emission ferries and cargo ships in such a practical way, carried out via engaging university students with the issue during a challenge-based learning engineering ethics

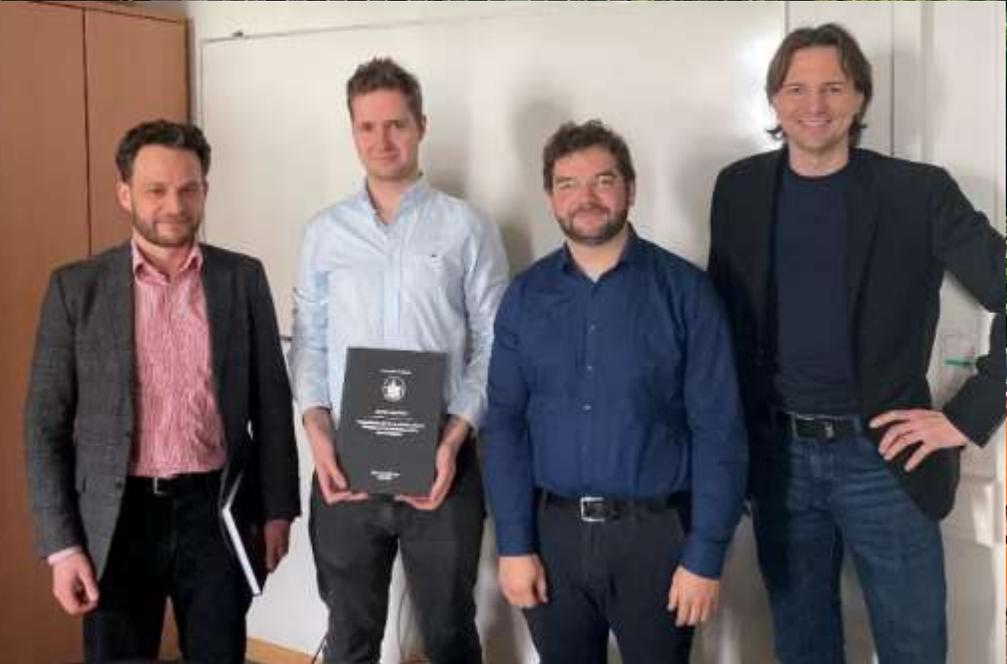
technological opacity in terms of a potential lack of the ability of autonomous cars to display relevant visual clues that humans could infer probable and impending driving behavior from. Mental models based on cars driven by humans could be erroneous when facing autonomous cars. Himme in turn, elaborates on the challenges of scale and spoint at relevant ethical issues in mundane driving that are a far cry from the dramatic choices involrolley problem—but these are nevertheless relevant, the challenge of specificity encompasses the no lot of intuitive and safety-relevant driving behavi





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for a green growth economy in a world worth living!



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Bringing 3.7% of CO2 emissions down to ZERO!

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