Institut für

Bau- und Infrastrukturmanagement

Informationsveranstaltung am 07.11.2024, 17:00 Uhr

Master-Arbeiten und Master-Projektarbeiten am IBI

DBAL

Prof. Dr. B.T. Adey, Prof. Dr. Catherine De Wolf, Prof. Dr. G. Habert



IBI is structured along 3 main streams

- Infrastructure Management
 - Prof. Dr. Bryan T. Adey

- Circular Engineering for Architecture
 - Prof. Dr. Catherine De Wolf

- Sustainable Construction
 - Prof. Dr. Guillaume Habert













Switzerland

Singapore

Infrastructure Management Group

Institut für Bau- und Infrastrukturmanagement



EHzürich

Topics

Institut für

management

Bau- und Infrastruktur-

Master thesis

D BAUG



Master Informationsveranstaltung 07.11.2024 4

ETH zürich





ETH zürich

Topics

ject Mast

Master thesis





Vaterial segmentation and classification using 2D architectural drawings



Chat with pre-demolition audit inventory – identify urban-wide hazardous materials using data mining and search augmentation



Pathways to Circularity: Investigating Product Take-Back Systems in the Construction Industry





Development of a predemolition audit and inventory tool

Institut für Bau- und Infrastrukturmanagement DBAUG



The Chair for Sustainable Construction gathers a group of scientists, engineers and architects who aim to ground sustainability in all disciplines involved in the built environment.



The objective is to identify the relevant parameters that influence the environmental impacts of buildings across spatial and temporal scales in order to implement sustainable practices throughout the development of innovative strategies adapted to each stakeholder.

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management

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Topics Master thesis Original Schedule I-US indicator Inter Itil Carbon Intensity Optimising 3D-printed Circular economy Estimation of Hyperloop Assessing "net-Optimizing Prefabrication concrete structures for indicators for urban-Construction – A Case Schedules to Minimize zero" strategies for the carbon capture and industrial symbiosis Study on EuroTube renovation of the HIL building Carbon Emissions storage assessment ┡⊥╄ Estimation of CO2 and waste Carbonate now or later? Building WLC emissions streams availability for carbon Dynamic LCA of Assessment according to in IAMs for climate capture and storage in construction products ESGs framework of water change mitigation construction products in subject to enforced and pipe maintenance technology Europe natural carbonation

> **MFA** Supply chain, stakeholders

D BAUG

LCA materials & technologies

Materials Development