



**Northumbria  
University  
NEWCASTLE**

## 3rd Blockchain Research in Construction Workshop

Programme

20 & 21 June 2022 | Amsterdam & Online | #BICWorkshop

**CBC website:** [constructionblockchain.org](https://constructionblockchain.org)  
**CBC Twitter:** [@CBC\\_UCL](https://twitter.com/CBC_UCL)  
**CBC LinkedIn:** [Construction Blockchain](https://www.linkedin.com/company/construction-blockchain)

**Contact:** [admin@constructionblockchain.org](mailto:admin@constructionblockchain.org)  
**Please note:** All sessions are being recorded and will be uploaded on YouTube within a month for playback.

### Day 1 - Monday 20th June 2022

BST	CEST	Session	Speaker	Organisation	Length
	09:30 - 10:00	Registration (for in-person attendees)	N/A	N/A	30m
09:00 - 09:40	10:00 - 10:40	<b>Welcome &amp; Introduction</b> Welcome by Northumbria University and CBC Director	Professor David Greenwood Dr Abel Maciel, Director	Northumbria University CBC & Design Computation	40m
09:40 - 11:00	10:40 - 12:00	<b>Presentations Session 1: Information Management</b>			1hr 20m
		BIM Single Source of Truth for Construction Supply Chain (CSC)	Amer Hijaz	Western Sydney University	15m
		Decentralised Information Management Along the Entire Lifecycle of a Built Asset	Klaudia Jaskula	UCL	15m
		Construction management process automation using blockchain and smart contracts	Xuling Ye	Ruhr-University Bochum	15m
		Harnessing Blockchain Technology and the Platform Business Model to Improve Regulatory Compliance and Enhance Interoperability Within the Built Environment Technology Ecosystems	Immanuel Steele	PrinD	15m
		Panel Discussion	Panel Chair: <b>Professor Mohamad Kassem</b>	Newcastle University	20m
11:00 - 12:00	12:00 - 13:00	Lunch			1hr
12:00 - 13:05	13:00 - 14:05	<b>Presentations Session 2: Circular Economy</b>			1hr 20m
		Collective Digital Factories for Buildings	Dr Theo Dounas	Robert Gordon University	15m
		A Blockchain-based Tack-Back Framework to Support the Extended Producer Responsibility Implementation for Construction Products and Materials	Arghavan Akbarieh	University of Luxembourg	15m
		Blockchain-based Decentralized Marketplaces to Incentivize Digital Building Asset Ownership in Knowledge Graphs Material Passports	Dr Ranjith Kuttantherappel Soman	ETH Zurich	15m
		Panel Discussion	Panel Chair: <b>Jennifer Li</b>	Northumbria University	20m
13:05 - 14:10	14:05 - 15:10	<b>Presentations Session 3: Smart contracts</b>			1hr 05m
		Blockchain and Smart Contracts: Successful Implementation Avoiding the Legal Minefield	May Winfield	Buro Happold	15m
		BIM Validation During the Design Stage with Smart Contracts	Giulia Pattini	Politecnico di Milano	15m
		Smart Contracts for Construction Contracts	Mahir Msawli	Northumbria University	15m
		Panel Discussion	Panel Chair: <b>Professor David Greenwood</b>	Northumbria University	20m
14:10 - 14:30	15:25 - 15:30	Break			20m
14:30 - 16:30	15:30 - 17:30	<b>Workshop on Data Driven Governance - TBC</b>	Dr Theo Dounas	Robert Gordon University	2hr
16:30 - 17:00	17:30 - 18:00	<b>Closing Plenary</b>	Dr Abel Maciel	CBC & Design Computation	30m
	19:00 -	Dinner - Ode aan de Amstel (in-person attendees)			

Day 2 - Tuesday 21st June 2022					
BST	CEST	Session	Speaker	Organisation	Length
	09:00 - 09:30	Registration (for in-person attendees)	N/A	N/A	30m
08:30 - 09:00	09:30 - 10:00	<b>Welcome &amp; Introduction</b> Welcome by Northumbria University	Professor Christine de Lille	Northumbria University Amsterdam	30m
09:00 - 10:20	10:00 - 11:20	<b>Presentations Session 4: Blockchain in Construction</b>			1hr 20m
		Blockchain in Malaysian Construction Industry	Dr Eeydzah Aminudin	University of Technology Malaysia	15m
		A Systematization of Knowledge (SoK) on Blockchain Decentralization	Dr Luyao Zhang	Duke University	15m
		What Can Blockchain Really Do For You?	Kate Baucherel	Galia Digital	15m
		Confidentiality-minded framework for blockchain-based BIM design collaboration	Xingyu Tao	Hong Kong University of Science & Technology	15m
		Panel Discussion	Panel Chair: <b>Dr Abel Maciel</b>	CBC & Design Computation	20m
10:20 - 11:25	10:20 - 11:25	<b>Presentations Session 5: Governance</b>			1hr 5m
		NFT's: the Good, the Bad, and (it's not all) the Ugly	Gavin Johnson	aGenium	15m
		Cryptoeconomic mechanisms for the governance of collaborative construction project deliveries.	Jens Hunhevicz	ETH Zurich	15m
		DAO governance application in the built environment	Hongyang Wang	ETH Zurich	15m
		Panel Discussion	Panel Chair: <b>Dr Theo Dounas (TBC)</b>	Robert Gordon University	20m
11:25 - 12:25	12:25 - 13:25	Lunch			1hr
12:25 - 14:00	13:25 - 15:00	<b>CBC White Paper Consultation Workshop</b>	Dr Abel Maciel	CBC & Design Computation	1hr 35m
14:00 - 14:15	15:00 - 15:15	Break			15m
14:15 - 15:15	15:15 - 16:15	<b>CBC White Paper Consultation Workshop</b>	Dr Abel Maciel	CBC & Design Computation	1hr
15:15 - 16:00	16:15 - 17:00	<b>Closing Plenary</b>	Dr Abel Maciel / Jennifer Li	CBC & Design Computation / Northumbria University	45m
	17:00 -	Networking drinks (for in-person attendees) (venue TBC)			