



Universität
Zürich ^{UZH}

UZH
Blockchain
Center

UZH International Summer School

Deep Dive into Blockchain 2026

Linking Economics, Technology and Law



Preface

- This 6-year-proven summer school programme offers a multidisciplinary exploration of both foundational and cutting-edge topics in blockchain technology, delivered by world-renowned academic experts and leading practitioners at Europe’s No. 1 university in Blockchain education (as ranked by CoinDesk).
- During three weeks of this summer school, students will dive into the three key pillars of blockchain systems, namely technology, economics and legal aspects behind it. Building on this, advanced application fields, such as forensics and data analytics will be explored. Eventually, students will be able to enhance your knowledge with hands-on practices designed to replicate functioning of real-world systems, gain insights through exclusive industry visits, and build direct connections with leading organisations in the blockchain space. Learn from top industry leaders shaping the future of this transformative technology and equip yourself with the expertise to excel in this dynamic, rapidly evolving field.
- But most importantly, the program is highly engaging and interactive, with theory and hands-on practice sessions offered by blockchain experts from around the world.



Main learning objectives

- Gain a detailed understanding of how blockchain-based systems work, exploring their multidisciplinary aspects across technology, economics, and law.
- Understand the economic incentives as the basis of blockchain-based system
- Develop the ability to critically assess design decisions in blockchain technologies
- Learn from expert in academia and industry, and obtain hands-on experience in both established and advancing technologies.



Deep Dive into Blockchain in a nutshell

3



Learning Modules in a truly interdisciplinary programme, by covering all relevant fields of knowledge offered by World-renowned scholars and industry leaders



15



Full days of highly interactive education with top academics and industry leaders and three academic trips including Crypto Valley, the Swiss National Bank and key industry stakeholders

Meet the Swiss Ecosystem



The programme is open and closed with Academic trips to flagship blockchain hubs in Switzerland.

Variegated teaching approaches

Participatory learning, many practical hands-on, multiple use-cases and vivid discussions in all the sessions are integral part through the journey

Active participation from Industry

Switzerland is a front-runner in the area of blockchain, Worldwide. Students benefit from exchanges with the ecosystem, in an enriching manner

Know the Trends

We not only enable an insight into state-of-the-art technologies

Every year, we offer completely re-imagined programme with the newest developments

6



ECTS points for a course equivalent to 180 hours of learning



DDiB, a truly international experience

550

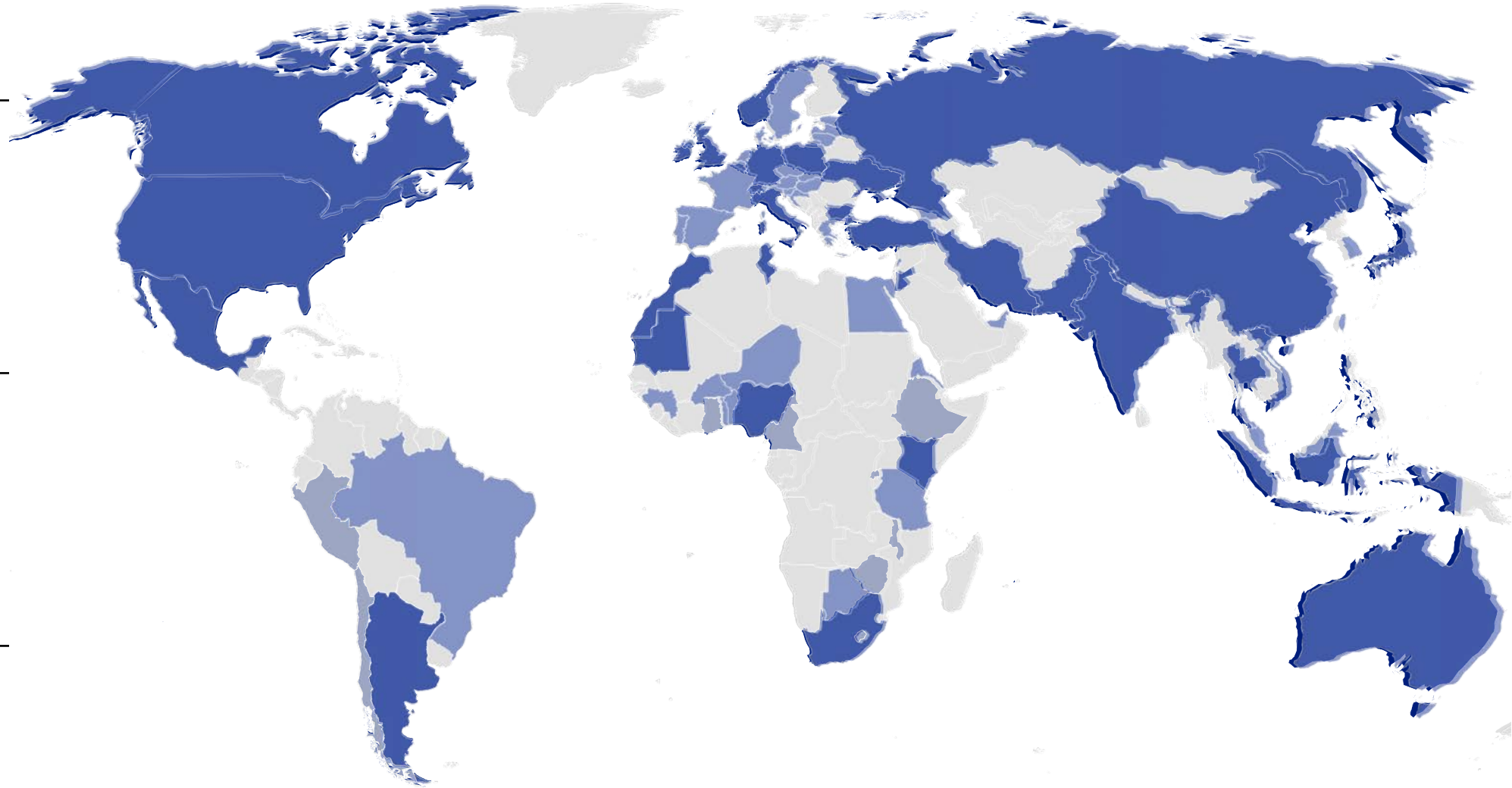
Alumni

72

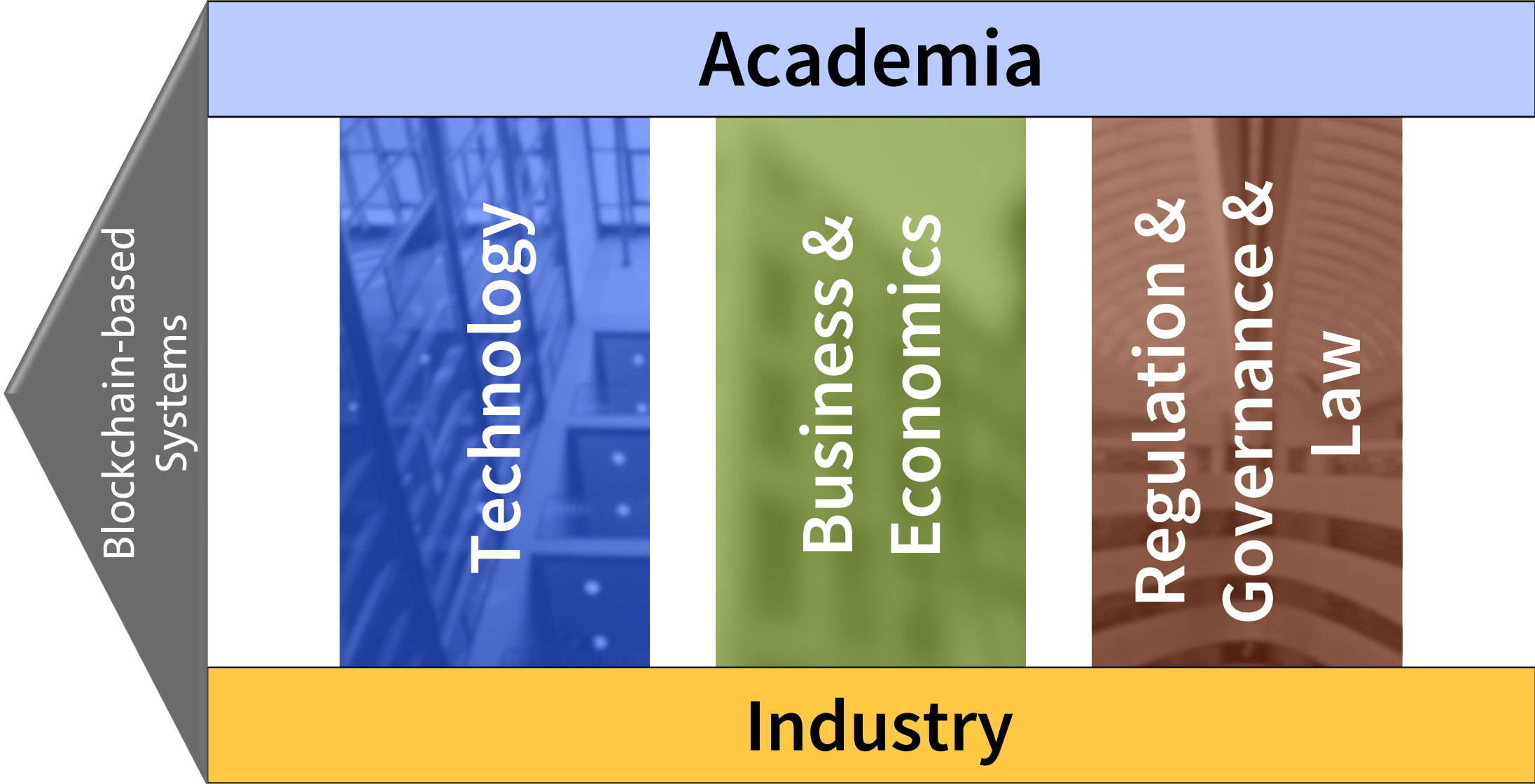
Countries of origin of the students

65

Countries where the students are developing their studies



Interdisciplinarity of DDiB



Pillar I - Technology

- Blockchains are complex techno-economic systems that revolutionize multiple industries. The various forms of this technology have evolved over the last few years. In this summer school, students will learn the main shared elements of blockchain systems, while gaining a broad overview of the technological landscape and future trends.

Topics:

- Functioning of public and private blockchains and distributed ledger
- Smart contracts and digital autonomous organizations
- Solving scalability riddles

Pillar II - Economics

—Blockchain systems are based on economic incentives that ultimately determine their functioning. In most cases, these incentives are placed by design, but others have remained hidden to the designers, to only surface upon system deployment. In general, the effect of these rewards has been opposed to the initial intentions. In this summer school, the students will understand the typical pitfalls and how to avoid them.

Topics:

- The processes of token creation and distribution
- The foundations of centralization and accumulation in cryptocurrencies
- The different business models around blockchain applications

Pillar III – Regulation and Governance

—Blockchains and - its most widely known application - cryptocurrencies allow to transfer property in a digital, decentralized manner which is still uncommon with regulatory bodies dominating commerce worldwide. They further provide the possibility implement automatically enforced *smart contracts*. Students will learn about the various regulatory frameworks and how they compare to each other. They also allow decisions to be made through decentralized, and hopefully democratic processes, like in Decentralized Autonomous Organizations.

Topics:

- The Legal implications of smart contracts
- Comparison of various regulatory frameworks
- Decentralized Governance models

Teaching and Learning Methods

- **Lecture sessions:** Learn from at least two sessions daily, given by esteemed lecturers from academia and industry. Actively interact with lecturers and gain invaluable insights from their expertise
- **Hands-on sessions:** Participate in detailed operations and practical exercises designed to deepen your understanding of blockchain technologies
- **Q&A sessions every day:** Ask your questions solved timely to our teaching team
- **Test your knowledge:** Following the sessions, you will have an assignment (individual and group) to assess and deepen the knowledge
- **Group work:** Interact with other students and work together on your final project across disciplines, with personalised mentoring for your project



Assessment



DDiB is a regular course of University of Zurich
To get the 6 ECTS credits and certificate, you must:

- prepare properly before the start of the program. Instructions and reading list will be sent to you by the end of May.
- attend and actively participate in the lectures, hands-on sessions keeping the pace with the schedule.
- participate the academic visiting tours.
- engage actively in your study group for the assignments and final project, and hand in them in time, as evaluation.

You will receive your Transcript of Records (stating your grade with „pass“ or „fail“) and a Certificate of Attendance by the end of July 2025.



Schedule and Classes



- Estimated workload per day: 4 hours of lectures, 1 hour of Q&A session, 4-6 hours of self-paced learning/hands-ons and practical assignments (individually or in groups)
- Estimated workload per week: 40 hours
- We aim at offering a course that is as interactive as possible
- Make sure that you have caught up with all required course work for the specific day before the hands-on sessions and the Q&A



Tentative Schedule Week 1 (05 July – 11 July 2026)

(Program subject to change)

Time/Date	Sun, 05 July	Mon, 06 July	Tue, 07 July	Wed, 08 July	Thu, 09 July	Fri, 10 July	Sat, 11 July
Exact times of live sessions tbc		Information Event	Q&A	Q&A	Q&A	Q&A	Optional Social Program
		Introduction to the Course	Introduction to Blockchain(Part I)	Ethereum	Consensus	Tokenisation and DeFi	
		Raspberry Pi: Block creation & Consensus	Introduction to Blockchain(Part II)	Smart Contracts	Cryptocurrencies	Automated Market Making (AMM)	
		Interaction with Raspberry Pi	Bitcoin and Derivatives	Hands-on sessions (PoW)	Hands-on sessions (Ethereum)	Hands-on sessions (AMM)	
		Q&A	Q&A	Q&A	Q&A	Q&A	
	Welcome Event for all Summer Schools						
				Optional Social Program		Mandatory Social Program	

Academic / Theory Section (podcast or live)
Industry Section (podcast or live)
Introduction / Wrap-up Section (interactive)
Hands-on Section with speakers (interactive)
Mandatory Social Program
Optional Social Program



Tentative Schedule Week 2 (12 – 18 July 2026)

(Program subject to change)

Time / Date	Sun, 12 July	Mon, 13 July	Tue, 14 July	Wed, 15 July	Thu, 16 July	Fri, 17 July	Sat, 18 July
Exact times of sessions	Optional Social Program	Q&A	Q&A	Q&A	Q&A	Q&A	Optional Social Program
		Incentives and Staking	Industry I	Industry II	Industry III	Industry VI	
		Cryptoeconomics and Blockchain Analytics	Industry I - Handson	Industry II - Handson	Industry III - Handson	Industry VI - Handson	
		Hands-on sessions(POS)	CBDC	DAOs	Consortium Blockchains	Project Selection	
		Q&A	Q&A	Q&A	Q&A	Q&A	
		Optional Social Program		Optional Social Program		Mandatory Social Program	

Academic / Theory Section (live or podcast)
Industry Section (live or podcast)
Wrap-up and Project Selection (interactive)
Hands-on Section with speakers (interactive)
Mandatory Social Program
Optional Social Program

– Select the topic of your final project by the end of this week.



Tentative Schedule Week 3 (19 – 24 July 2026)

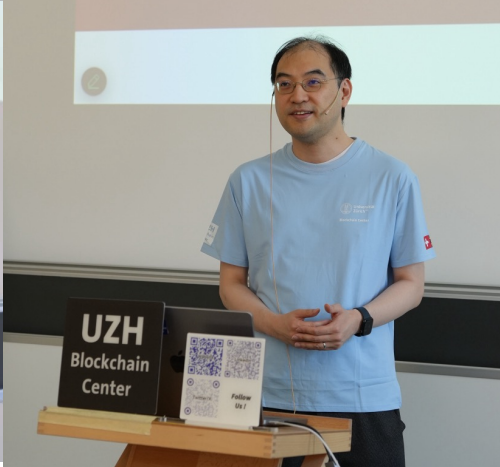
(Program subject to change)

Time / Date	Sun, 19 July	Mon, 20 July	Tue, 21 July	Wed, 22 July	Thu, 23 July	Fri, 24 July	
Exact times of live sessions tbc	Optional Social Program						
			Q&A	Q&A	Q&A	Q&A	Q&A
			Crypto assets Regulation and Compliance	Regulation of Defi	Risks in Cryptoworld	Inndustry VIII	Digital Identity - Certificate
			Inndustry V	Inndustry VI	Inndustry VII	Inndustry IX	
			Mentoring Final Project	Mentoring Final Project	Mentoring Final Project	Mentoring Final Project	Wrap-Up
			Q&A	Q&A	Q&A	<i>Hand in Projects</i>	Graduation Ceremony
				Mandatory Social Program		Optional Social Program	

— You also need to use some of your “free” time to work in groups on your final project.

Lecturers and Guest Speakers from Academia

With World-renowned Professors and Lecturers from the University of Zurich and other leading experts from academia!



Guest Speakers from Industry

Profit from the top practitioners from various fields



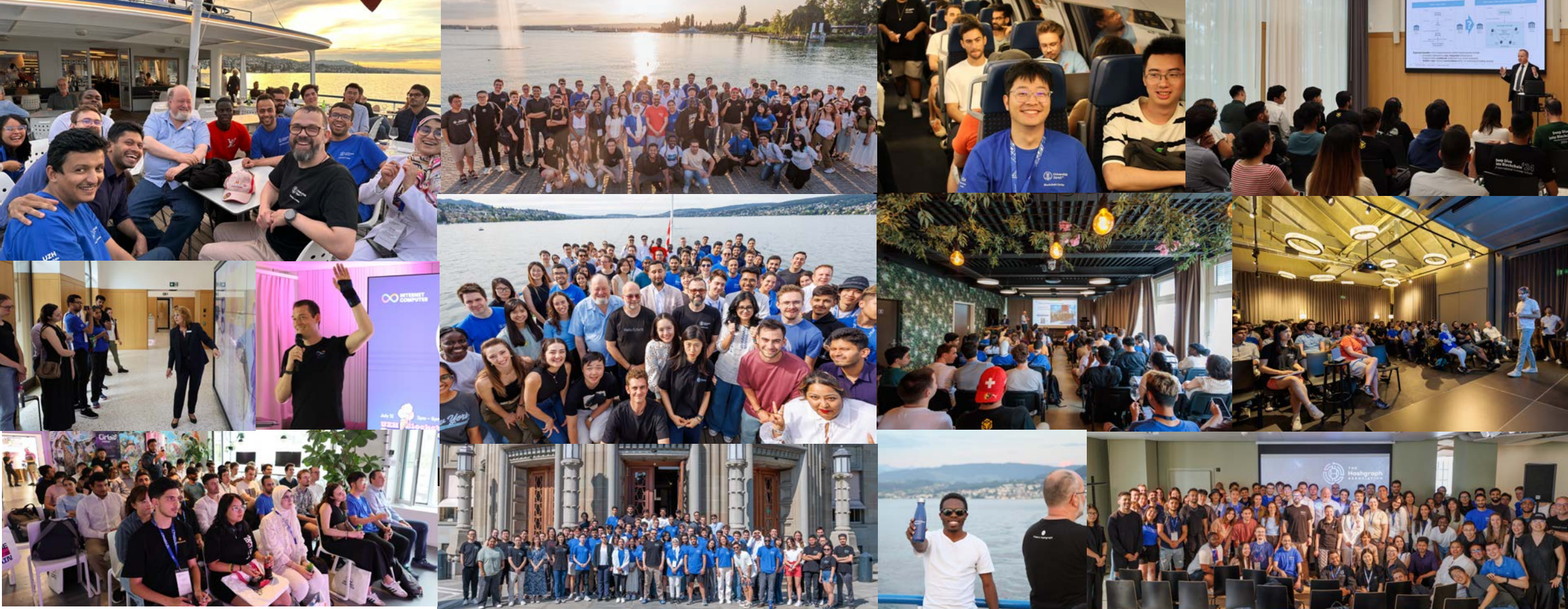
Gallery of DDiB - In-class

Moments of collective learning journey and the bonds formed!



Gallery of DDiB – Visiting event

Moments at Swiss National Bank Forum, Zug Crypto Valley, DFINITY Headquarters, Trust Square with The Hashgraph Association , Cardano Meetup ...



- Regular fee for this 3-weeks DDiB Summer School is:
 - CHF 3'500 (On-site, off-site);
- The fee includes:
 - Accommodation, final certificate and transcript, academic visiting tour, social program

Industry Support:

- We offer scholarships to both merit-based excellence and financial-need-based applicants.

Solid Ecosystem around DDiB programme

Check out our industry ecosystem built through 2020 -2024 programs! The 2025 program is set to include more amazing set of platforms and industry partners.

SCHWEIZERISCHE NATIONALBANK
BANQUE NATIONALE SUISSE
BANCA NAZIONALE SVIZZERA
BANCA NAZIUNALA SVIZRA
SWISS NATIONAL BANK

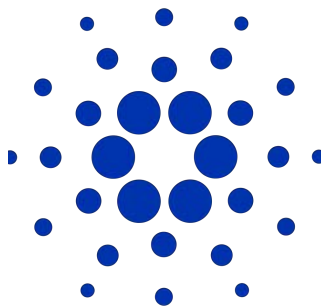


.....

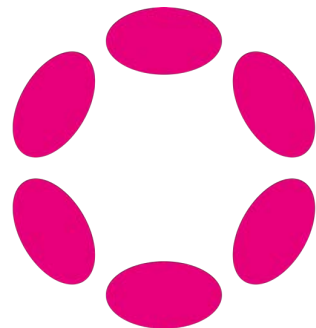
Industry Platforms



Hedera



Cardano



Polkadot



Solana



BSV blockchain



DFINITY



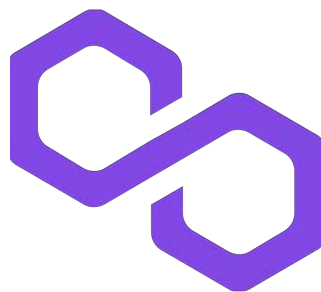
BNB Chain



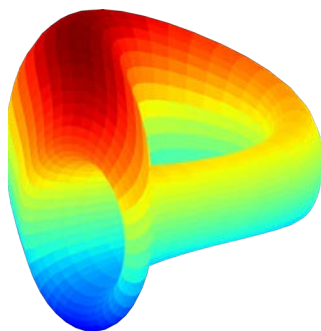
Arbitrum



The Graph



Polygon



Curve



Sui



Meta Pool



Avalanche

DDiB Global Experience – offsite campus

Opens a new format and bring more opportunity of participation to travel to Cape Town, South Africa, and join the summer school program on its off-site campus



Recognising the demand for blockchain education and the need for global accessibility. From 2025, DDiB Started to expand through the off-site campus initiative at South Africa



DDiB Global Experience – offsite campus



The lectures delivered at the UZH campus are live streamed to the off-site campus



Interactive learning environment



Attend collectively at a designated classroom at University of Cape Town



Engagement with experts and industry professionals



UZH staff on-site for the three weeks to coordinate the course and support students



Local academic visiting and social events



Universität
Zürich UZH

UZH
Blockchain
Center

UZH & UCT - Deep Dive into Blockchain '25

UZH SUMMER SCHOOL 2025

Who are we?

Course Director & Organising Team



Prof. Dr Claudio
J. Tessone



Dr Pavel Kulikov



Dr Sheng-Nan Li



Parminder Kaur
Makode

Global Student Experience



Nina Richard

— In case of any questions regarding the UZH International Summer Schools please contact Ms. Nina Richard:

- UZH Global Student Experience
- Email: summer@int.uzh.ch

For More details ...

Check our website for details and up-to-date programme:

<https://www.summerschools.uzh.ch/en/courses-on-offer/deep-dive-into-blockchain.html>



JOIN the DDiB Community!
7th International Summer School
Deep Dive into Blockchain 2026

