RChain
COOPERATIVE

RCHAIN DEVELOPER CONFERENCE

September 5-6, 2018
Berlin, Germany

Join our Discord and Telegram channels to receive updates, chat with other attendees, and watch speaker highlights!

https://t.me/rchain_coop

https://discord.gg/fvY8qhx

*Discord is for Coop members only.
If you would like to join, sign up here:
https://member.rchain.coop/#/sign-up

Thanks for coming to RCon3! If you are posting please use the following hashtags, and remember to tag us!

Hashtag: #RCon3 #RChain
Twitter: @rchain_coop
Facebook: RChain Cooperative

If you are not already following us, please do and share our RCon3 posts!

If you have any questions or requests, please contact events@pyrofex.net

RChain COOPERATIVE

Table of Contents

Speaker Directory 5
RCon3 Welcome Concert 6
RCon3 Agenda—Day One September 5,2018 7
RCon3 Agenda—Day Two September 6,2018 8
RChain Europe 9
RChain Europe 10
Restaurant Recommendations 11
Notes 12

Speaker Directory

Ahsan Fazal	Blockchain and Full Stack Developer, RChain member
Alex Stokes	Co-founder, Polaris
Alpheus Madsen	Software Engineer, Pyrofex Corporation
Chris Boscolo	Founder, LifeID
Claire Tolan	Chief Technology Officer, Resonate
Dan Connolly	Smart Contract Developer, RChain Cooperative
Dawid Golębiewski	Co-founder, inblock.io
Derek Sorensen	Research Mathematician, Pyrofex Corporation
Dominik Zajkowski	Software Engineer, Pyrofex Corporation
Ela Kagel	Founder, SUPERMARKT Berlin and RChain Europe
Fennie Wang	Partnerships and Regulatory and Bancor Enterprises, IXO
Glen Braun	Founder of RHours, RChain Cooperative
Greg Heuss	Chief Executive Officer, Reflective Ventures
Greg Meredith	President, RChain Cooperative
Jake Gillberg	Member and Researcher, RChain Cooperative
Jamie Vicary	Senior Research Fellow, University of Oxford
Jeremy Busk	Site Reliability Engineer, Pyrofex Corporation
Jon West	Chief Strategy Officer, RChain Cooperative
Justin Meiner	Software Engineer, Pyrofex Corporation
Kayvan Kazeminejad	Software Development Engineer, RChain Cooperative
Kenny Rowe	Chief Operations Officer, RChain Cooperative
Kent Shikama	Software Engineer, RChain Cooperative
Kevin Valentine	Venture Partner, Reflective Ventures
Kyle Butt	Senior Software Engineer, Pyrofex Corporation
Lawrence Lerner	Chief Executive Officer, Pithia Inc.
Lev Livnev	Formal Verification, DappHub
Luigi DeMeo	Co-founder, Proof
Łukasz Golębiewski	Software Engineer, Pyrofex Corporation
Luke Ong	Professor of Computer Science, University of Oxford
Marcelo Wierman	Advisor, Lucidity Tech
Mark Pui	Advisor, MW Partners
Martin Lundfall	Formal Verification, DappHub
Medha Parlikar	Project Manager, Pyrofex Corporation
Michael Birch	Software Engineer, Pyrofex Corporation
Michael Ovidia, PHD	Consultant, RChain Cooperative
Miguel Morales	Chief Technology Officer & Co-Founder, Lucidity Tech
Mike Stay, PHD	Chief Technical Officer, Pyrofex Corporation
Nash Foster	Chief Executive Officer, Pyrofex Corporation
Nina Siedler	Partner, DWF
Patrick Kränzien	inblock.io
Pawel Szulc	Software Engineer, Pyrofex Corporation
Peter Harris	Chief Executive Officer, Resonate
Sebastian Bach	Software Engineer, Pyrofex Corporation
Thomas Schoffelen	Co-founder, Includable
Tim Bansemer	Founder, inblock.io labs, GmbH & Co.KG
Vlad Zamfir	RChain Board Member, Researcher at Ethereum

Adrian Belew Power Trio and Echo Test

Berlin Congress Center Main Auditorium—Room C01
Wednesday, September 5, 2018 • 20:00-23:00

Adrian Belew is a multi-instrumentalist, singer, songwriter, producer, and guitar guru. Belew released 20 critically acclaimed solo records and was the frontman, singer, co-writer and guitarist for progressive rock powerhouse King Crimson for 30 years. He also played alongside musicians such as David Bowie, Frank Zappa, Paul Simon, Nine Inch Nails, Tom Tom Club and Talking Heads. Known for his inventive guitar sounds, Belew began mixing his unique sound, complex time signatures, witty lyrics, wild sound and technical mastery into his newest app creations, FLUX:FX and FLUX by belew.

RCon3 Agenda—Day One September 5,2018

7:30-8:30	Registration				
8:30-9:15	Launch of RChain Europe—*Greg Meredith & Ela Kagel*				
9:15-9:45	State of the RChain platform—*Nash Foster & Mike Stay*				
9:45-10:45	RSong—the future of sound—Demo 1 *Greg Meredith*				
10:45-11:00	Break				
	Track 1—Room C 01 **RChain blockchain and platform**	**Track 2—Room B 05** **DApp development on the RChain platform**	**Track 3—Room B 09** **Blockchain technology and business**	**Track 4—Room B 07** **Academic**	**Track 5—Room B 01** **Hackerspace**
11:00-12:00	Launch of the RChain test net Get REV for RHOC: How it works and what you need to do *Mike Stay, Michael Birch, Medha Parlikar, & Kenny Rowe*		US regulatory updates *Fennie Wang* EU regulatory updates *Nina Sielder*	The RChain research group	
12:00–13:00	Lunch				
13:00-14:00	Consensus on the RChain platform *Michael Birch & Kent Shikama*	Design and development on the RChain platform *Panel: Peter Harris, Claire Tolan, Luigi DeMeo, & Chris Boscolo,*	Pithia *(30 minutes)* *Lawrence Lerner* Reflective Ventures *(30 minutes)* *Greg Heuss*	Security analysis of the pi calculus *Luke Ong*	Rholang team available Workshop: Distributed governance—elements of fair and scalable participation *Tim Bansemer*
14:00-14:15	Break				
14:15-15:15	Staking in RChain: Economic parameters and rewards *Kenny Rowe*	How to deploy and interact with Rholang smart contracts *Kent Shikama & Michael Birch*	Lucidity *(30 minutes)* *Marcelo Wierman & Miguel Morales* Resonate *(30 minutes)* *Peter Harris*	Formal verification *Martin Lundfall, Lev Livnev & Derek Sorensen*	Scala team available Workshop: Scaling RCHain Nodes with Automation *Peter Cheyne*
15:15-15:30	Break				
15:30-16:30	Cryptocurrency and community: Psychologically incompatible? *Michael Ovadia*	RChain at Burning Man *Greg Meredith & Kayvan Kazeminejad*	Opportunities and challenges for RChain in China *Jocellin Lee*	Category Theory: Visual mathematics for the 21st century *Jamie Vicary*	Cryptofex team available Workshop: Security—mitigating DDOS attacks (live BOTNET demo) *Charles Holtzkampf*
16:30-16:45	Break				
16:45-17:45	How to capitalize the RChain network *Panel: Nash Foster, Kenny Rowe, Kevin Valentine, Jon West, & Mark Pui*	Understanding distributed calculi in Haskell *Pawel Szulc*	Lightning talks: Share your idea in 5 minutes or less	How does RChain deal with the non-determinism inherent in Rholang in a blockchain setting? *Mike Stay*	Test net devOps team available
20:00-23:00	**RCon3 welcome concert Adrian Belew Power Trio and EchoTest**				

RCon3 Agenda—Day Two September 6,2018

7:30-8:30	Registration				
8:30-9:00	Welcome				
9:00-10:00	RSong—the future of sound—Demo 2—*Greg Meredith*				
10:00-10:15	Break				
	Track 1—Room C 01 RChain blockchain and platform	**Track 2—Room B 05 DApp development on the RChain platform**	**Track 3—Room B 09 Blockchain technology and business**	**Track 4—Room B 07 Academic**	**Track 5—Room B 01 Hackerspace**
10:15-11:15	Test net performance testing and Q&A *Medha Parlikar & Michael Birch*		LifeID *(30 minutes)* *Chris Boscolo* Proof *(30 minutes)* *Luigi DeMeo*	K framework and type theory *Mike Stay & Derek Sorensen*	Scala team available
11:15-11:30	Break				
11:30-12:30	Test net performance testing and Q&A *Medha Parlikar & Michael Birch*	Cryptofex: An IDE for blockchain developers *Alpheus Madsen & Justin Meiner*	Open space conversation: The future of the internet and blockchain 3.0 *Greg Meredith*	Advanced Topics in Rholang: Spatial Matching and Unforgeable Names *Kyle Butt*	Refletive Ventures team available Workshop: Prototyping Rholang smart contracts in the browser *Panel: Patrick Kränzien, Ahsan Fazal, & Thomas Schoffelen*
12:30-13:30	Lunch				
13:30-14:30	Infrastructure for Rnode operators—monitoring and management of RNodes in your production environment *Jeremy Busk*	DApp development on the platform *Joshy Orndorff*	The zoo of decentralized governance: What is a coop to do? *Alex Stokes*	Casper *Vlad Zamfir*	Rholang team available Workshop: How to work with the RChain solutions team
14:30-14:45	Break				
14:45-15:45	A journey to functional programming code *Pawel Szulc*	Working with the RChain test net Pyrofex core dev team: *Medha Parlikar, Kyle Butt, Michael Birch, & Sebastian Bach*	Lightning talks: Share your idea in 5 minutes or less	The Man(th) Behind the Curtain: Uncovering the Research Propelling RChain *Jake Gillberg*	Cryptofex team available Workshop: Methodically designing token economies *Tim Bansemer & Dawid Golebiewski*
15:45-16:00	Break				
16:00-17:00	Compensated open source: A cooperative, revenue-sharing business model—*Glen Braun*				
17:00-17:30	Closing				

RChain Europe: Building an ecosystem of platform coops

By Ela Kagel

My intention for this text was sharing why I am so inspired by the RChain Cooperative and what led me to co-found the RChain Europe coop. For telling this story, however, it is important to also talk about the context in which RChain is operating since its incorporation one and a half years ago.

For more than ten years I have been working with the team of SUPERMARKT Berlin on collaborative economies and the continued digitization of society. During this time we have experienced several paradigm shifts in the global economy: the rise of Cloud technologies, the euphoria and subsequent disillusionment over the Sharing Economy, the visions surrounding Industry 4.0, Smart City & the Internet of Things, the rise of the big platform monopolists and finally: Blockchain!

Around the year 2014 a new term was coined: platform capitalism. Some kind of turbo-capitalism, which is essentially about a small number of companies who succeeded in making the networking of market participants profitable and thus becoming ever larger and more powerful. So while the biggest platform companies—Uber, Airbnb, Amazon, Facebook or Google became the highest rated companies in the world, a counter-movement started to grow at the same time and it was called platform cooperativism. The main aim here is to expand the cooperative model into the digital ecosystem—including all the traditional governance approaches that have stood the test of time.

Trebor Scholz and Nathan Schneider founded the Platform Coop Consortium in 2015 and many of my peers also joined this group. Shortly after the platform coop-movement started to gain momentum and SUPERMARKT became a home base for cooperative business in Berlin, the next paradigm shift was imminent, and this was the rise of blockchain technologies.

This was also the moment when I started to understand that Blockchain technologies and cooperatives seem to have been waiting for each other. The Blockchain community can learn a lot from the proven models of governance that have developed over the long history of cooperatives. In fact, coops demonstrated as early as in the 18th century how decentralisation, democratic control and the distribution of power can function.
On the other hand, Blockchain technologies provide the operating system for ethical and governance standards that can be inscribed into a company by design. Blockchain is a true P2P technology that enables transparency from the ground up.

Now I have looked at some blockchain companies and ICOs in the past years. I'm lucky to be able to work with some great people in Blockchain here in Berlin. One of them is Peter Harris, the founder of the Resonate Music Streaming Collective. He introduced me to RChain and put me in touch with the team in Seattle. After several conversations, I knew that I wanted to work with them and help them to build a home base in Europe, too.

Two things really convinced me of RChain's approach:
First, their technological vision and the fact that RChain built their organizational structure around a firm set of values and second, a strong dedication to collaborative action.

Continued from page 10

Continued from page 9

RChain's potential for cooperatives worldwide is great. Everything the RChain community builds is open source and usable for everyone. The RChain blockchain allows for an entirely new form of collaboration at scale. Therefore, in my opinion, RChain is a perfect enabler to help coops collaborate with each other, thus building an ecosystem over time.

In general, RChain Europe is open to all kinds of members and clients, and has set the goal of developing the technological framework conditions, especially for the growing number of digital cooperatives. Many "traditional" coops are challenged by leveraging their products and services into the digital economy. But also platform coops that already work on a digital business model struggle with basic governance issues, such as online voting or capturing member sentiment. Developing tools for governance and online communication, and making those tools available for coops worldwide is a clear mandate of RChain Europe.

My biggest hope for the coming years? That we will see the spirit of collaboration growing stronger and eventually leading to a snowball effect in which platform coops will be able to finally harness the full potential of open source technologies.

In other words: I hope the disruptors will finally be disrupted.

Ela Kagel
Founder & managing partner of SUPERMARKT Berlin
Board member of RChain Europe

Restaurant Recommendations

Hofbräu Wirtshaus—750 m
Bavarian/German Food
Karl-Liebknecht-Str. 30
10178 Berlin, Germany
https://www.hofbraeu-wirtshaus.de/en/berlin/

Cecconi's—1.1 km
Italian Food
Torstraße 1
10119 Berlin, Germany
http://www.cecconisberlin.com/en

Monsieur Vuong—1.3 km
Vietnamese Food
Alte Schönhauser Str. 46
10119 Berlin, Germany
https://www.monsieurvuong.de/en/

Kuchi—1.6 km
Sushi
Gipsstraße 3
10119 Berlin, Germany
https://kuchi.de/restaurant/mitte/

Transit—1.6 km
Thai and Indonesian Food
Rosenthaler Straße 68
10119 Berlin, Germany
http://www.transit-restaurants.com/

DUDU—1.8 km
Japanese Food
Torstraße 134
10119 Berlin, Germany
http://dudu-berlin.de/dudu-mitte/

Schnitzelei—2.5 km
German Food
Chausseestraße 8
10115 Berlin, Germany
https://schnitzelei.de/mitte/en/

Trattoria Felice—3.3 km
Italian Food
Lychener Straße 41
10437 Berlin, Germany
http://www.trattoria-felice.de/

Notes

2013
HOSTED BY
PYROFEX™