



We are pleased to invite you to the COALA Decentralized Web Workshop, jointly organized in tandem with the Internet Archive's [Decentralized Web Summit](#) on 31 July - 2 August.

The workshop will take place on **Monday 30 July 2018 (9:00-18:30)**, with a COALA workshop dinner on Monday evening. We will continue to build upon our work in the sessions on 31 July-2 August at Internet Archive's [Decentralized Web Summit](#).

This event is by invitation-only and convenes a small interdisciplinary group of leading academics, technologists, lawyers and the experts from the blockchain community to discuss existing challenges and establish priorities for future research and development.

Particular focus will be given to **designing the interface between technical and human governance** as enabled by **blockchain technologies**. Our Working Groups will convene around **mapping blockchain-based governance systems, alegal structures interoperable with the legal system, identity & control systems, and implications for the decentralized autonomous organizations of the future**. More information about our work can be found on <http://coala.global>

Please let us know at your earliest convenience if you will be able to join our discussion in San Francisco (and if you have any dietary requirements). We sincerely hope you can join us and we are looking forward to meeting you.

Best Regards,

**Constance Choi** —COALA

**Primavera De Filippi** —CERSA/CNRS, RSCAS/EUI, Berkman Center/Harvard, COALA

# BLOCKCHAIN WORKSHOPS

Venue:  
EFF Headquarters  
815 Eddy Street  
San Francisco, CA

Location: EFF Headquarters San Francisco, CA Monday, 30 July 2018	
09:30 - 10:00	<b>Breakfast</b>
10:00 - 10:10	<b>Welcome and Introductions</b>
10:10 - 10:20	Presentation of the <b>Alegality</b> Working Group + Q&A
10:20 - 10:30	Presentation of the <b>Blockchain Governance</b> Working Group + Q&A
10:30 - 10:40	Presentation of the <b>Identity &amp; Privacy</b> Working Group + Q&A
10:40 - 10:50	Presentation of the <b>Intellectual Property</b> Working Group + Q&A
10:50 - 13:00	<b>Break-out into working groups</b>
13:00 - 14:00	<i>Lunch</i>
14:00 - 16:00	<b>Break-out into working groups</b>
16:00 - 16:30	<i>Afternoon Break</i>
16:30 - 17:30	<b>Restitution of Working Groups</b>
17:30 - 18:00	<b>Roadmap and research priorities for the future</b>

# BLOCKCHAIN WORKSHOPS

## WORKING GROUPS

### 1. Alegality

This group will look at the challenges faced by traditional organizations, institutions and jurisdictions when trying to interact with decentralized networks and autonomous blockchain-based code. It will explore the distinction between the ‘rule of code’ and the ‘rule of law’ : what is the interplay between these two types of regulation? Can one overtake the other? And how can they be designed to work in syntony with one another. The group will try to devise techno-legal mechanisms to facilitate the interactions of blockchain-based system with the physical world, in accordance with the regulatory frameworks of the different jurisdictions.

#### **Expected Outcome:**

- Identification of current discrepancies between the rule of code and the rule of law
- Potential solutions to reduce the friction between these two types of regulations

#### ***Working Group Members:***

- Primavera De Filippi
- Maria Gomez
- Chris Wray
- Fennie Wang
- Anja Blaj
- *Carla Reyes (remote)*

# BLOCKCHAIN WORKSHOPS

## 2. Blockchain Governance

### 2.a Governance of the infrastructure

This group will investigate the mechanisms used to “regulate” or “govern” the deployment and operations of existing blockchain-based applications. It will explore current implementations of blockchain-based governance system, and investigate the pros and cons of on-chain vs off-chain governance systems.

#### **Expected Outcome:**

- Report on pros and cons of on-chain and off-chain governance, as well as issues of recentralization and “soft power”

#### **Working Group Members:**

- Kenny Rowe
- Quinn DuPont
- Tomislav Mamic
- Joseph Poon

### 2.b Governance by the Infrastructure

This group will look at the governance systems developed thus far to support the operations of DAOs: from plutarchy, to futarchy, to the new types of meritocratic organizations that operate via a distributed reputation system and analyse their advantages and drawbacks, especially with regard to the risk of power concentration and re-intermediation.

#### **Expected Outcome:**

- Review of existing governance systems and analysis of their pros and cons in terms of decentralization, efficiency, and scalability

#### **Working Group Members:**

- Vienna L. Roy
- Iris Weizmann
- Luke Duncan
- Kei Kreutler

# BLOCKCHAIN WORKSHOPS

## 3. Identity & Privacy

This group will review different blockchain-based identity systems, including current credential management and access control systems. It will assess these projects against existing regulations and policies for identity verification, and privacy issues regarding digital authentication via traditional identity providers and blockchain-based identity systems. The group will focus on the challenges and risks of leveraging blockchain technology for identity solutions and the security and privacy considerations that may need to be taken into account during the conception and development of these technical solutions. Time permitting, it will elaborate a policy framework that contemplates (1) hard requirements mandated by law (2) policy analysis of tradeoffs between usability, individual privacy & systemic security; (3) best practices for the development and deployment of blockchain-based access control and credential management systems.

### **Expected outcome:**

- Technical and legal analysis of existing credential management and access control systems : overview of privacy issues based on the system's architecture and analysis of the tradeoffs between usability, individual privacy, and systemic security.
- Time permitting, this group will articulate a policy framework that provides practical guidance for the development and deployment of blockchain-based credential management and access control systems for digital authentication.

### **Working Group Members:**

- Greg McMullen
- Rick Dudley
- Joachim Lohkamp
- Constance Choi

# BLACKCHAIN WORKSHOPS

## 4. Intellectual Property

This working group will explore the opportunities to apply blockchain technology and legal thinking to address the mismatch between the Internet and IP law. Decentralized networks and blockchains offer opportunities to create new models that better reflect the wants and needs of creators, consumers of content, the connectors who put the two together, and the public as a whole.

### **Expected outcome:**

- Report exploring current implementations of decentralized technologies and analysing the use of blockchain technologies to improve the exchange, dissemination, preservation and authentication of digital content.
- Identification of alternative business model using blockchain-based application to support emerging artistic practices online.
- Elaboration of a technical standard the “decentralized web”: the protocol stack for the secure and authenticated exchange of information based on blockchain technology and decentralized networks.

### **Working Group Members:**

- Tony Lai
- Diana Stern
- Benedikt Schuppli