Blockchain HEALTHCARE Workshop
May 24-25th

The “Healthchain”
Explore application of blockchain technology to the unique challenges in healthcare during a 1.5 day workshop.

Healthcare Verticals
Focus of blockchain use in healthcare verticals of pharmaceutical supply chain, medical device, clinical trials, and genomics

Workshop Format
Focus on practical and professional development along with applied learning through design workshop

Register here:
Click here
Workshop
DAY 1

8:30am
Continental Breakfast and Conference Registration

9:00am
Workshop Welcome and Agenda

Joint UCSD-IEEE committee will introduce workshop format, objectives, and goals for Day 1 and 2.

Tim K. Mackey, Director and Associate Professor
UCSD - Extension / UCSD - School of Medicine

Upkar Dhaliwal, Vice Chair
IEEE San Diego Section, EMBS Chapter Chair

Maria Palombini, Director
IEEE Standards Association

9:15am
Keynote: Blockchain for Health?

What is decentralized ledger technology and how can it revolutionize healthcare? Dr. Damani will discuss his thoughts about the future of blockchain and how it can transform other digital health solutions.

Samir Damani, Co-Founder & CEO, MintHealth

10:00am
Fit-for-Purpose: Blockchain Design

Discussion about ensuring blockchain design is “fit-for-purpose” including blockchain design elements, architecture, data governance, application development, and tokens. Brief introduction to afternoon use cases.

Robert Barkovich, CEO, HealthLinkages
Tim K. Mackey, Director, UCSD - Extension

10:45am
Platforms, Security & Digital Identity

Discussion of blockchain compared to other types of technology, platforms, security issues, and importance of digital identity.

Sanjay Bakshi, Director, Intel Corp., SSG (invited)

11:45am
Potential for AI in Blockchain

Exploration of different types of machine learning and reasoning computing for blockchain.

Khai Pham, Founder & CEO, ThinkingNode, Inc.

12:30-1:45pm: Green Acre Patio
Luncheon for Workshop Attendees and Networking and Exhibit Break

1:45pm
“Healthchain”: Vertical Use Cases

This panel of leading experts in healthcare verticals will discuss blockchain use cases in different phases of conceptualization, pilot, testing, and commercialization with a focus on supply chain, medical device, clinical trials, and genomics. Panelist will discuss practical opportunities and challenges associated with blockchain adoption and use specific to verticals.

Pharmaceutical Supply Chain
Tim K. Mackey, Director, UCSD - Extension

Medical Device Industry
Kevin Clauson, Associate Professor, Lipscomb Univ

Clinical Trials
Basker Gummadi, Bayer Pharmaceuticals

Genomics
Scott Kahn, Chief Information Officer, Luna DNA
2:45-3:00pm
Coffee Break

3:00pm
Beyond the Data Layer: DApps

Explores ideas on decentralized application (DApps) development taking into consideration data architecture, healthcare use case, and end-user.

Aaron Contorer, CEO, FP Complete (invited).

[NAME], IBM?

3:45pm
Regulatory, Legal, Security, and Privacy Considerations

Panel discussion about legal and regulatory considerations with blockchain use in healthcare including confidentiality, privacy considerations, use of smart contracts, and legal frameworks such as HIPAA and GDPR (1.5 CLE.)

“Impact of GDPR on Digital Health Technologies”
Joel Smith, Managing Counsel, Qualcomm Life (invit).

“Regulatory Challenges and Strategies to Blockchain”
David Holding, Intel Corporation (invited)

4:30pm
Blockchain Investment

Perspectives from a healthcare incubator on what are the essential elements for blockchain projects to successfully attract funding and investment.

Daniel Haders II, General Manager, Nex Cubed.

5:15pm
Closing Statements Day 1

Short presentation on blockchain workforce data, closing for Day 1 and and instructions for Day 2 healthcare blockchain vertical applied workshops.

Tim K. Mackey, Director and Associate Professor
UCSD - Extension / UCSD - School of Medicine

Upkar Dhaliwal, Vice Chair
IEEE San Diego Chapter

Maria Palombini, Director
IEEE Standards Association

6:00pm: [Location]
Networking Reception Hosted by [Company Name]
### Workshop Day 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td><strong>8:45am</strong></td>
<td>Continental Breakfast and Day 2 Instructions</td>
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<tr>
<td><strong>9:00-11:30am</strong></td>
<td><strong>“Healthchain” Vertical Breakout Design Sessions</strong></td>
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<td><strong>11:45am - 12:30pm</strong></td>
<td><strong>Atkinson Hall</strong> Design Session Vertical Presentations**</td>
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<td>Participants from Vertical Breakout design sessions will present their ideas, designs, and SWOT analysis to entire group and invited panelists.</td>
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<td><strong>12:30pm</strong></td>
<td>Closing Remarks and Workshop Concludes</td>
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<td><strong>1:30 - 2:30pm</strong></td>
<td><strong>Workshop Satellite Meetings</strong></td>
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<td>Workshop satellite meetings conducted by UCSD and IEEE will be hosted after the conference. Please contact organizers if you wish to participate.</td>
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- **Pharmaceutical Supply Chain**
  - **Technical Lead:** Tim K. Mackey, UCSD
  - **Content Expert Lead:** Tim K. Mackey, UCSD
  - **Location:** Conference Room X

- **Medical Device Industry**
  - **Technical Lead:** Kevin Clauson, Lipscomb Univ
  - **Content Expert Lead:** Kevin Clauson, Lipscomb Univ
  - **Location:** Conference Room X

- **Clinical Trials**
  - **Technical Lead:** Maria Palombini
  - **Content Expert Lead:** Basker Gummadi
  - **Location:** Conference Room X

- **Genomics**
  - **Technical Lead:**
  - **Content Expert Lead:**
  - **Location:** Conference Room X