

A stylized cityscape at sunset with palm trees and a large blue circular graphic. The scene is rendered in a soft, painterly style with a warm color palette of oranges, pinks, and purples. In the foreground, several palm trees are silhouetted against the sky. In the background, a city skyline is visible, including a prominent skyscraper. A large, semi-transparent blue circle is overlaid on the left side of the image, partially framing the text.

TOCKWORLD 7

JUNE 26-28, 2024

A large, light blue, stylized graphic of the letter 'D' is positioned on the left side of the slide. It consists of a thick, light blue circular arc on the left and a vertical bar on the right, with a small gap at the top where they meet.

TockWorld 7 Conference

Thursday, June 27, 2024
University of San Diego

Welcome!

History of TockWorld

- Near-annual meeting of Tock developers
- Initially: small meeting of faculty and grad students
 - 1st edition: 2015 at UC Berkeley
 - 2nd edition: 2015 at Stanford
- Then: core developers and project planning
 - 3rd edition: 2017 at Stanford
 - 4th edition: 2019 at Princeton (added talks)
 - 5th edition: 2022 at Northwestern (added second day)
 - 6th edition: 2023 at UVA (added tutorial)
- Now: project planning and larger ecosystem conference
 - 7th edition: 2024 at UCSD (added conference day)

→ Attendance and scope growing with the project!

New in 2024: Conference Day for Tock Ecosystem

- Bring together the larger community working on secure embedded systems
- Connect teams working in this space
 - Hardware platforms
 - Startups
 - Academia
 - Industry
- Share experiences/use cases with Tock
 - Meet others with similar interests
 - Learn about some recent developments
 - Discuss what's next

Schedule Overview

- Intro
- Keynote
- *break*
- Session: New Tock Platforms
- *lunch*
- Session: CHERI and Serial Multiplexing
- *break*
- Session: Lighting talks and Teaching with Tock
- Reception

<https://world.tockos.org/tockworld7/agenda>

Schedule Overview

9:00, 1242, Welcome & Introductions, Pat Pannuto

9:15, 1242, The State of Tock, Amit Levy

9:45, 1242, Follow up from TockWorld 6, Brad Campbell

10:10, 1242, Working Group Reports

10:40, 1244, Coffee Break

11:00, 1242, Working Group Reports

11:30, 1242, Discussion: Userspace Libraries, Amit Levy

12:00, Courtyard, Lunch break

<https://world.tockos.org/tockworld7/agenda>

13:00, 1242, Discussion: Contributions and Engagement, Branden Ghena

13:30, 1242, Testing and Remote Development, Leon Schuermann

14:00, 1241; 1242; 1244; 1202, Breakouts: Vision and Future Developments (1)

14:50, 1242, Break

15:00, 1241; 1242; 1244; 1202, Breakouts: Vision and Future Developments (2)

16:00, 1242, Discussion: Governance and Funding, Amit Levy

16:45, 1242, Wrap-up, Pat Pannuto

Afterwards... Optional/Unofficial Gathering

Coronado Brewing on Morena (not the island)

Beer Garden with lots of good, local options

- And a reasonable food collection

I'll be going via trolley, if folks want to join as a group to travel

The screenshot shows a transit app interface with a route from the Computer Science and Engineering Building to the Coronado Brewing Company San Diego Tasting Room. The route is marked with a blue line and includes the following stops and details:

- Computer Science and Engineering Building**
3235 Voigt Dr, La Jolla, CA 92093
- Walk**
About 7 min, 0.3 mi
- UCSD Central Campus Station**
Blue San Ysidro
15 min (5 stops) · Stop ID: 77781
Maintenance
- Tecolote Road Station**
- Walk**
About 6 min, 0.3 mi
- Coronado Brewing Company San Diego Tasting Room**
1205 Knoxville St, San Diego, CA 92110

The map on the right shows the route starting at the Computer Science and Engineering Building, passing through UCSD Central Campus Station, Tecolote Road Station, and ending at the Coronado Brewing Company San Diego Tasting Room. The map also shows other landmarks like Kate Sessions Memorial Park and Mission Bay.

We'd like to meet you!

Are you using Tock currently?

What brings you to TockWorld / what do you hope to get out of this week?

Anything else fun we should know? :)

Let's get started...

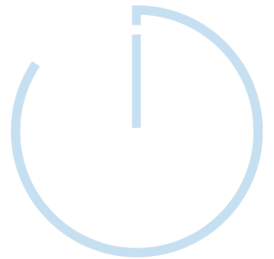
Next up: Amit — State of Tock 2024

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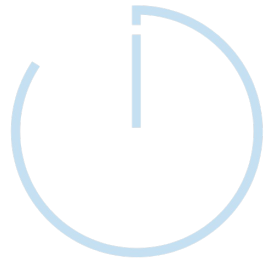
<https://world.tockos.org/tockworld7/agenda>

Keynote



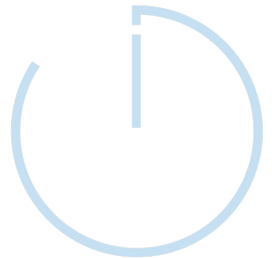
Coffee Break

Resume at 10:15 AM



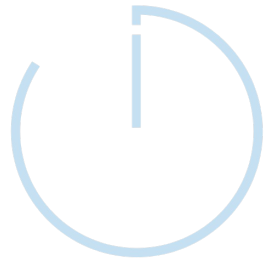
Session: New Tock Platforms

Chair: Brad Campbell



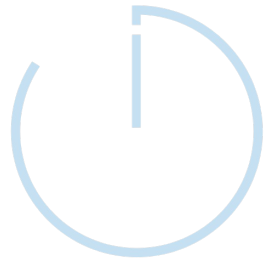
Lunch

Resume at 1:15 PM



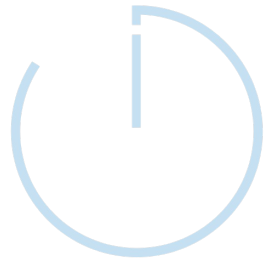
Session: CHERI and Serial Multiplexing

Chair: Amit Levy



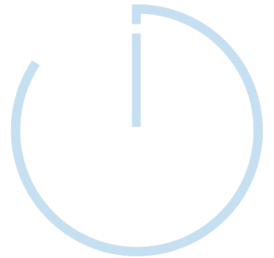
Coffee Break

Resume at 3:30 PM



Session: Lighting Talks and Teaching with Tock

Chair: Branden Ghena



Reception!

In Courtyard

