| Simulacron-3 | 22:30 | 01:00 | Day: 1 | Track: Hardware & Making | en |
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| Chef: 2433 | Lindworm: 5463 | Emergency: 112 | Security: 110 | Heaven: 1023 | Speakers Desk: 1020 | Info Desk: 1111 |
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Translation (check if available): 8012          Technical Coordinator: 1621

Title: **3D Printing High-Quality Low-Cost Free Medical Hardware**

Subtitle: Making medical devices accessible and hackable for all

Speaker: **Tarek Loubani**

**Short:** Despite the dramatic falls in costs of production, medical devices have remained prohibitively expensive for all but the richest countries and physicians. Using 3D printing, rapid prototyping and Free hardware licenses, we have been developing and releasing off-patent medical devices that perform as well as the gold standard for a fraction of the cost. In this lecture, we discuss the history and scope of the problem, our progress to date and how attendees can participate and make their own medical devices.