# Device Prototyping and Production Summer School

Lancaster University, July 2024

## Agenda

*Note: may be subject to change. Please visit www.prosquared.org/2024-summer-school-agenda for latest version.

### Tuesday 9th July

| Time | Item | Location (Building-Room) |
|---|---|---|
| 15:00-17:00 | Welcome Desk | INF - Ground floor entrance |
| 19:00 | Dinner | BHF |

### Wednesday 10th July

| Time | Item | Location (Building-Room) |
|---|---|---|
| 08:00 | Breakfast | BHF |
| 09:00 | Welcome Desk | INF - Ground floor entrance |
| 09:30 | Welcome: context and week's agenda | INF-SkyL |
| 09:45 | Speed dating and coffee | INF-SkyL |
| 11:00 | Keynote presentation: Prototype to Product by Steve Hodges | MAN-LT15 |
| 11:30 | Keynote presentation: The pro² Network+ by Mike Fraser (Uni. of Bristol) | MAN-LT15 |
| 11:45 | Presentation: One-minute madness | MAN-LT15 |
| 12:30 | Lunch | MAN-LT15 |
| 13:15 | Tutorial: Printed circuit boards | MAN-LT15 |
| 13:45 | Presentation: PCB manufacturing and assembly by Steve Jones (Eurocircuits) | MAN-LT15 |
| 14:45 | Coffee | MAN-LT15 |
| 15:00 | Delegate Experiences: Prototyping Discussion: Prototype experiences | MAN-LT15 |
| 16:30 | Practical tutorial: PCB design walk -through with KiCAD by John Vidler and Aron Eggens | INF-B79 |
| 17:15 | Practical tutorial: using Gerber files, component sourcing by Steve Jones (Eurocircuits), Aron Eggens and Kobi Hartley | INF-B79 |
| 18:00 | Discussion: Q&A | INF-B79 |
| 19:00 | Dinner | BHF |
| 20:00 | Quiz | BHF |

| 21:00 | Finish/Cartmel Bar | BHF |
|---|---|---|

## Thursday 11th July

| Time | Item | Location |
|---|---|---|
| 08:00 | Breakfast | BHF |
| 09:00 | Discussion: Recap, Q&A | MAN-LT15 |
| 09:15 | Keynote Presentations by John Hardy (Hardy & Ellis Inventions) | MAN-LT15 |
| 10:30 | Coffee | MAN-LT15 |
| 10:45 | Tutorial: Managing cost and complexity by Steve Hodges | MAN-LT15 |
| 11:15 | Delegate Experiences: Toward Isotyping Discussion: Prototype experiences | MAN-LT15 |
| 12:30 | Lunch | MAN-LT15 |
| 13:30 | Practical tutorial: Surface mount assembly, hands-on by Steve Hodges and Aron Eggens | ENG2-B02 |
| 15:15 | Coffee and demos | INF-SkyL |
| 16:30 | Practical tutorial: Prototyping with Jacdac by Kobi Hartley Practical tutorial: Light up the world with solder:bit by Joe Finney and Aron Eggens | INF-B79 |
| 18:00 | Discussion: Q&A | INF-B79 |
| 19:00 | Dinner | BHF |
| 20:00 | Gig: The Usuals | BHF |
| Late! | Finish/Cartmel bar | BHF |

## Friday 12th July

| Time | Item | Location |
|---|---|---|
| 08:00 | Breakfast | BHF |
| 09:00 | Discussion: Recap, Q&A | MAN-LT15 |
| 09:15 | Keynote Presentations: Scaling your prototype in Shenzhen by Mandy Xiang (Seeed Studio) | MAN-LT15 |
| 10:00 | Tutorial: Testing and commissioning | MAN-LT15 |
| 10:30 | Coffee | MAN-LT15 |
| 10:45 | Case studies: Towards deployment by Lorraine Underwood | MAN-LT15 |
| 11:15 | Delegate Experiences: Toward Production Discussion: Prototype experiences | MAN-LT15 |
| 12:45 | Lunch | INF-SkyL |
| 13:30 | Practical tutorial: Isotyping with Jacdac by Kobi Hartley | INF-B79 |
| 14:00 | Breakout group discussions: Isotyping in context | INF-B79 |

| 15:00 | Discussion: breakout report-backs | INF-SkyL |
|-------|-----------------------------------|----------|
| 15:45 | Discussion: recap, Q&A, feedback, future collaboration, prizes | INF-SkyL |
| 16:00 | Coffee and depart | INF-SkyL |

## Key

**Buildings:**

BHF – Barker House Farm
ENG2 – Engineering 2
INF – InfoLab
MAN – Management

**Rooms:**

LT15 – Lecture Theatre 15 (MAN, A floor)
SkyL – Sky Lounge (INF, D floor)

**Notes:**

- Lancaster Uni. buildings use an A-D system to number floors rather than conventional floor numbers. The ground floor would be A, for example.
- The main entrance to the InfoLab building is on B floor and the SkyLounge is located on D floor.
- Engineering building 2 does not appear on all versions of the Lancaster University campus map. It is located next to the building labelled 'ENG' on the campus map included in your welcome email. Please also see the map below where ENG2 has been highlighted in yellow.