

Challenge Based Innovation A3 at CERN Ideasquare

Report of Contributions

Contribution ID: 1

Type: **not specified**

Teaching team meeting

Monday 31 October 2022 08:30 (1h 30m)

Contribution ID: 2

Type: **not specified**

Welcome to IdeaSquare and CERN & Icebreaker Exercise + CERN Site Tour

Monday 31 October 2022 10:00 (2 hours)

Presenters: BATISTA, Catarina (Helsinki University of Technology (FI)); THONG, Chris (Swinburne University of Technology)

Contribution ID: 3

Type: **not specified**

Intro to CBI A3 2 week intensive

Monday 31 October 2022 13:30 (1 hour)

Presenter: THONG, Chris (Swinburne University of Technology)

Contribution ID: 4

Type: **not specified**

Cultivating a Growth Mindset

Monday 31 October 2022 14:45 (1 hour)

Presenters: BATISTA, Catarina (Helsinki University of Technology (FI)); MULLER, Romain (CERN)

Contribution ID: 5

Type: **not specified**

Knowledge Transfer - Technology & How to talk to CERNies

Presenter: ANDREASSEN, Lars Erik Haukedal (Norwegian University of Science and Technology (NTNU) (NO))

Contribution ID: 6

Type: **not specified**

Collaborative Mindset: unlocking team potential.

Monday 31 October 2022 16:00 (1h 45m)

Setting goals, sharing hopes and fears and establishing team expectations

Presenter: DOWN, Aaron Michael

Contribution ID: 7

Type: **not specified**

Warm-up & instructions for the day

Tuesday 1 November 2022 09:00 (30 minutes)

Contribution ID: 8

Type: **not specified**

Why are we here? Talk by Markus Nordberg

Tuesday 1 November 2022 11:00 (1h 30m)

Presenter: NORDBERG, Markus (CERN)

Contribution ID: 9

Type: **not specified**

Problem Space Exploration, From HMW to POV

Tuesday 1 November 2022 09:30 (1h 30m)

Presenters: THONG, Christine; BARGIEL, Kasia

Contribution ID: **10**

Type: **not specified**

Design Innovation

Tuesday 1 November 2022 13:30 (2h 15m)

Presenter: STONE, Neal

Contribution ID: 11

Type: **not specified**

Reflection

Tuesday 1 November 2022 18:00 (30 minutes)

Reflection and Information for tomorrow

Contribution ID: 12

Type: **not specified**

Warm-up & instructions for the day

Wednesday 2 November 2022 09:00 (30 minutes)

Contribution ID: 13

Type: **not specified**

Knowledge Transfer Keynote

Wednesday 2 November 2022 09:30 (1 hour)

Presenter: RAMOS, Filipe (CERN)

Contribution ID: 14

Type: **not specified**

Unpacking the Tech

Wednesday 2 November 2022 10:30 (1h 30m)

Presenters: THONG, Christine; CANTARELLA, Luke

Contribution ID: 15

Type: **not specified**

Ideation session: Technology

Wednesday 2 November 2022 16:00 (2 hours)

Presenter: DOWN, Aaron (Swinburne University of Technology)

Contribution ID: 16

Type: **not specified**

Going deeper underground: CMS Visit (postponed)

Tour from 17:00 - 18:00, bus leaves IdeaSquare at 16:15

Session Classification: Presentation techniques

Contribution ID: 17

Type: **not specified**

Teaching team meeting

Contribution ID: **18**

Type: **not specified**

Warm-up & instructions for the day

Thursday 3 November 2022 09:00 (20 minutes)

Contribution ID: 19

Type: **not specified**

Team Dynamics check in

Monday 7 November 2022 09:30 (1h 45m)

Presenters: DOWN, Aaron (Swinburne University of Technology); KIRSTIN, Kohler (Hochschule Mannheim)

Contribution ID: 20

Type: **not specified**

Ideation session 5: technology card inspiration

Contribution ID: 21

Type: **not specified**

Energiser "CERN Slam - Drop the Particle"

Contribution ID: 22

Type: **not specified**

Idea development and preparation for pop-up

Contribution ID: 23

Type: **not specified**

R1 Pop-Up: CERN scientists / stakeholders & feedback on selection of ideas

Contribution ID: 24

Type: **not specified**

Finish, reflect, information for tomorrow

Thursday 3 November 2022 17:30 (30 minutes)

Contribution ID: 25

Type: **not specified**

Teaching Team Meeting

Friday 4 November 2022 08:00 (1 hour)

Contribution ID: 26

Type: **not specified**

Warm-up & instructions for the day

Friday 4 November 2022 09:00 (15 minutes)

Contribution ID: 27

Type: **not specified**

Ideation Session 7: Team Switches, Facilitated Ideation

Contribution ID: 28

Type: **not specified**

Ideation Session: Future Scenarios

Contribution ID: 29

Type: **not specified**

going deep underground: CMS visit

Contribution ID: **30**

Type: **not specified**

Idea development and preparation for pop-up

Contribution ID: 31

Type: **not specified**

Reflect & information for tomorrow

Contribution ID: 32

Type: **not specified**

Teaching team meeting

Contribution ID: 33

Type: **not specified**

Arrive and instructions

Contribution ID: 34

Type: **not specified**

Planet-Centric Design

Saturday 5 November 2022 10:30 (2 hours)

Bringing your learnings back to Earth

Presenter: FARIA, Carol

Contribution ID: 35

Type: **not specified**

Ideation Session 8: On demand (teams choose their starting point)

Contribution ID: **36**

Type: **not specified**

Present outcomes & Reflection

Saturday 5 November 2022 16:30 (30 minutes)

Contribution ID: 37

Type: **not specified**

Public transport to Palace of Nations, Geneva

Contribution ID: **38**

Type: **not specified**

UN Walk around & SDG 2030 Presentation

It is super important to arrive at 10:00am!
Entry through UN securing takes 30 minutes.
Tour starts at 10:30

Presenter: TAYLOR, Kali (SDG Lab)

Contribution ID: 39

Type: **not specified**

Post-lunch Warm-up

Contribution ID: 40

Type: **not specified**

Idea Generation Session 9: Team Switch

Contribution ID: 41

Type: **not specified**

Teaching team meeting

Contribution ID: 42

Type: **not specified**

Warm-up & Instructions for the Day

Contribution ID: 43

Type: **not specified**

Team Dynamics check-in

Contribution ID: 44

Type: **not specified**

Guided Idea session

Presenter: GARCIA TELLO, Pablo (CERN)

Contribution ID: 45

Type: **not specified**

Move to Innovation

Presenter: MULLER, Romain (CERN)

Contribution ID: 46

Type: **not specified**

Teaching team meeting

Contribution ID: 47

Type: **not specified**

Warm-up & Instructions for the Day

Session Classification: CBI A3 community breakfast

Contribution ID: 48

Type: **not specified**

Unexplored cards ideation

Wednesday 9 November 2022 09:15 (2h 45m)

Presenter: DOWN, Aaron (Swinburne University of Technology)

Contribution ID: 49

Type: **not specified**

CBIngo

meet and welcome students from CBI Barcelona (they will be working in containers, CBI A3 will continue to work in the open space)

Contribution ID: 50

Type: **not specified**

Finish, reflect, information for tomorrow

Contribution ID: 51

Type: **not specified**

Teaching Team Meeting

Thursday 10 November 2022 08:00 (1 hour)

Contribution ID: 52

Type: **not specified**

Warm-up & Instructions for the Day

Thursday 10 November 2022 09:00 (15 minutes)

Contribution ID: 53

Type: **not specified**

Team preparation

Thursday 10 November 2022 09:30 (3 hours)

Contribution ID: 54

Type: **not specified**

Team preparation

Thursday 10 November 2022 16:00 (1 hour)

Contribution ID: 55

Type: **not specified**

Presentations and Feedback

Thursday 10 November 2022 17:00 (1h 30m)

Contribution ID: 56

Type: **not specified**

Teaching team meeting

Friday 11 November 2022 09:00 (1 hour)

Contribution ID: 57

Type: **not specified**

Warm-up

Friday 11 November 2022 10:00 (20 minutes)

Contribution ID: 58

Type: **not specified**

Reflections, next steps and goodbye to IdeaSquare, clean up

Friday 11 November 2022 13:00 (1h 35m)

Contribution ID: 59

Type: **not specified**

Rapid Ideation: SDG cards

Tuesday 1 November 2022 16:00 (2 hours)

Contribution ID: **60**

Type: **not specified**

Last Idea Divergence Session

Contribution ID: **61**

Type: **not specified**

End of day reflection

Contribution ID: **62**

Type: **not specified**

Team preparation

Thursday 10 November 2022 13:30 (1h 30m)

Contribution ID: 63

Type: **not specified**

PD3 - a mini-hack session, further developing 1 x existing idea

Contribution ID: **64**

Type: **not specified**

Idea 3 - development session

Contribution ID: 65

Type: **not specified**

Idea 1 - development session

Contribution ID: 66

Type: **not specified**

Idea napkin review continued

identify 3 x ideas to spend more time developing

Contribution ID: 67

Type: **not specified**

Idea 2 - development session

Contribution ID: **68**

Type: **not specified**

Optional - R1 pop-up

Contribution ID: **69**

Type: **not specified**

Team Canvas

Presenter: THONG, Chris (Swinburne University of Technology)

Contribution ID: 70

Type: **not specified**

From HMW to POV

Contribution ID: 71

Type: **not specified**

Unpacking the Tech

Contribution ID: 72

Type: **not specified**

If then vs What if....

Thursday 3 November 2022 09:30 (3 hours)

Book List

Physics-Philosophy

The First Three Minutes, Steven Weinberg.

Thirty Years That Shook Physics: The Story of Quantum Theory, George Gamow.

One, two, three...infinity: facts and speculations in science, George Gamow.

We Have No Idea: A Guide to the Unknown Universe, Jorge Cham.

Why Does the World Exist? An Existential Detective Story, Jim Holt.

In a slightly more advanced level:

The Outer Limits of Reason: What Science, Mathematics, and Logic Cannot Tell Us, Noson S. Yanofsky.

Innovation

Steal Like An Artist, Austin Kleon.

The Myths of Innovation, Scott Brinker.

Borrowing Brilliance: The Six Steps to Business Innovation by Building on the Ideas of Others, David Kord Murray.

Why Greatness Cannot Be Planned: The Myth of the Objective, Kenneth O. Stanley and Joel Lehman.

Mind-Consciousness

Consciousness: An Introduction, Susan Blackmore and Emily T. Troscianko.

Conversations on Consciousness: What the Best Minds Think about the Brain, Free Will, and What It Means to Be Human, Susan Blackmore.

Brain-Wise: Studies in Neurophilosophy, Patricia S. Churchland.

AI

Artificial Intelligence: A Very Short Introduction, Margaret A. Boden.

AI: Its Nature and Future, Margaret A. Boden.

Presenter: GARCIA TELLO, Pablo (CERN)

Contribution ID: 73

Type: **not specified**

Prototyping for radical change

Thursday 3 November 2022 14:30 (20 minutes)

Session Classification: Ideation Session: SDG's and What If

Contribution ID: 74

Type: **not specified**

Prototyping for radical change

Thursday 3 November 2022 14:00 (30 minutes)

Contribution ID: 75

Type: **not specified**

Prototyping for radical change

Thursday 3 November 2022 15:30 (30 minutes)

Contribution ID: 76

Type: **not specified**

Systems + Futures Thinking

Friday 4 November 2022 09:15 (45 minutes)

Presenters: BATISTA, Catarina (Helsinki University of Technology (FI)); THONG, Christine

Contribution ID: 77

Type: **not specified**

Future Scenarios and Team Switches

Saturday 5 November 2022 13:30 (3 hours)

Presenter: THONG, Christine

Contribution ID: 78

Type: **not specified**

Cultivating a Growth Mindset: Checking in

Presenter: BATISTA, Catarina (Helsinki University of Technology (FI))

Contribution ID: 79

Type: **not specified**

Presentations + considerations

Wednesday 9 November 2022 13:00 (30 minutes)

Presenter: THONG, Christine