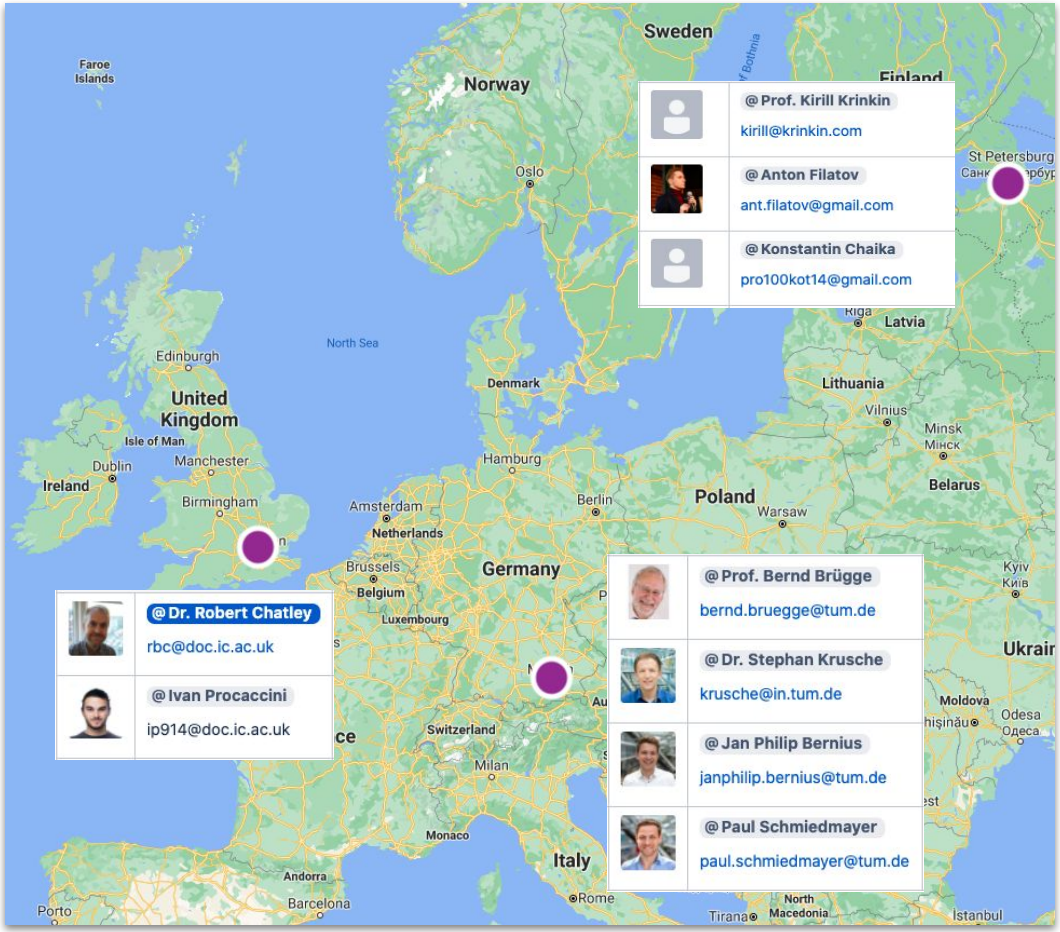
JASS
Dr Robert Chatley - Imperial
Dr Stephan Krusche - TUM
plus special guests
JASS - A Global Distributed Software Engineering School

Organization

Imperial College London

ETU "LETI"
SAINT PETERSBURG ELECTROTECHNICAL UNIVERSITY

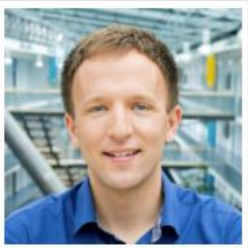
JASS



Project Organization

Organizers:

Dr. Robert Chatley
(Imperial College London)



Dr. Stephan Krusche
(TUM, Applied Software Engineering)

Prof. Bernd Brügge
(TUM, Applied Software Engineering)

Prof. Kirill Krinkin
(JetBrains Research, SPbETU "LETI")

Instructors:

Jan Philip Bernius
(TUM, Applied Software Engineering)

Paul Schmiedmayer
(TUM, Applied Software Engineering)

Ivan Procaccini
(Imperial College London)

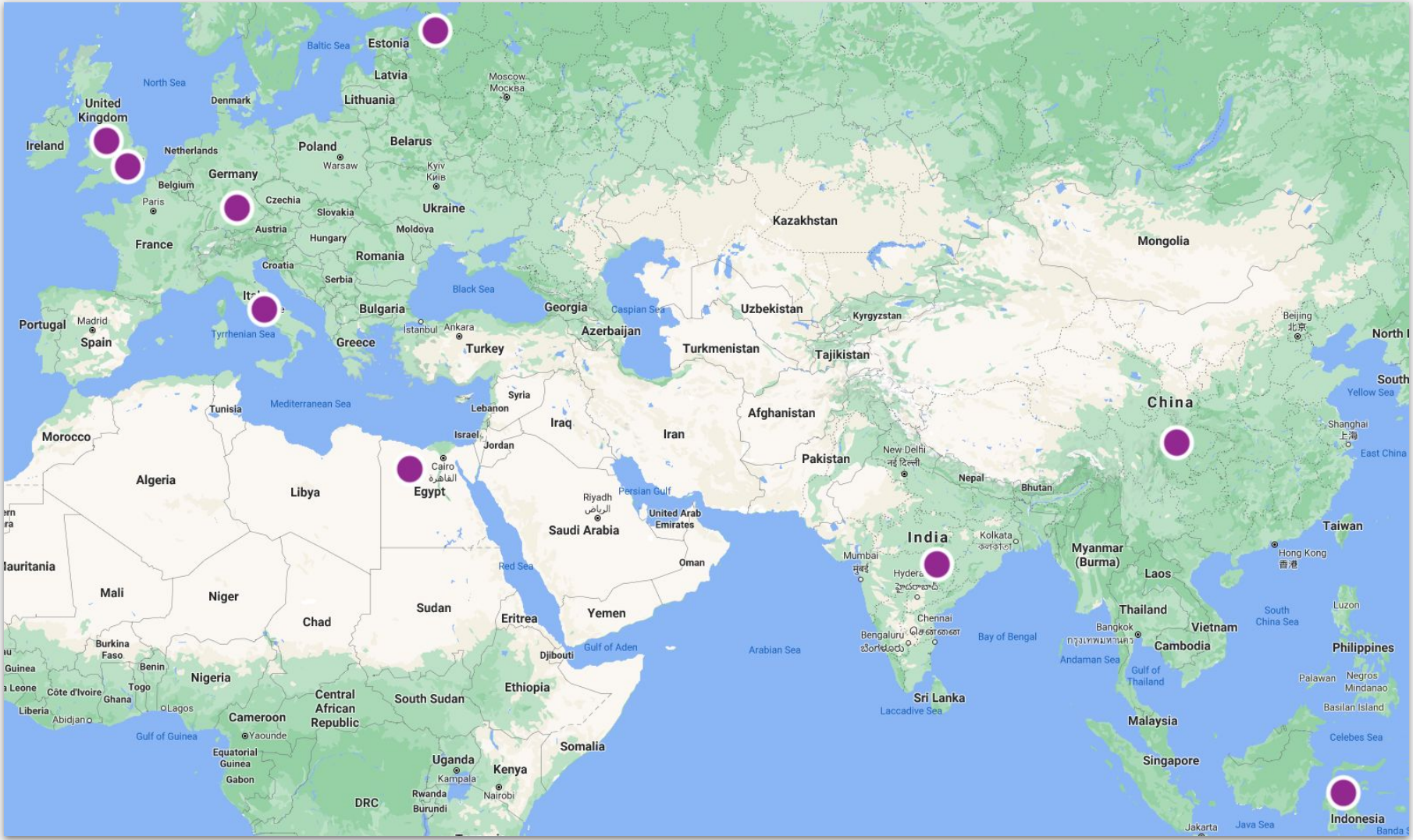
Anton Filatov
(JetBrains Research, SPbETU "LETI")

Konstantin Chaika
(JetBrains Research, SPbETU "LETI")

Multimedia:

Ruth Demmel
(TUM, Applied Software Engineering)

Andreas Jung
(TUM, Rechnerbetriebsgruppe)



Estonia
Baltic Sea
Latvia
Lithuania
Moscow
Москва
North Sea
Denmark
United Kingdom
Ireland
Netherlands
Poland
Warsaw
Belarus
Kyiv
Київ
Germany
Belgium
Paris
Czechia
Slovakia
Ukraine
Austria
Hungary
Moldova
France
Romania
Croatia
Serbia
Black Sea
Bulgaria
Georgia
Caspian Sea
Azerbaijan
Portugal
Madrid
Spain
Tyrrhenian Sea
Istanbul
Ankara
Greece
Turkey
Kazakhstan
Uzbekistan
Kyrgyzstan
Turkmenistan
Tajikistan
Mongolia
Beijing
北京
North
South
Yellow Sea
China
Shanghai
上海
East China
Syria
Lebanon
Iraq
Iran
Afghanistan
Pakistan
New Delhi
नई दिल्ली
Nepal
Bhutan
Tunisia
Mediterranean Sea
Morocco
Israel
Jordan
Cairo
القاهرة
Egypt
Algeria
Libya
Riyadh
الرياض
Persian Gulf
United Arab Emirates
Saudi Arabia
India
Kolkata
কলকাতা
Mumbai
मुंबई
Hyderabad
Myanmar (Burma)
Laos
Taiwan
Hong Kong
香港
Mauritania
Red Sea
Oman
Mali
Niger
Chad
Sudan
Eritrea
Yemen
Chennai
Bengaluru
Bay of Bengal
Thailand
Bangkok
Vietnam
Cambodia
South China Sea
Luzon
Philippines
Burkina Faso
Benin
Guinea
Togo
Nigeria
Ghana
Côte d'Ivoire
Liberia
Abidjan
Lagos
Gulf of Guinea
Cameroon
Yaounde
Central African Republic
South Sudan
Djibouti
Gulf of Aden
Arabian Sea
Ethiopia
Sri Lanka
Laccadive Sea
Andaman Sea
Gulf of Thailand
Malaysia
Singapore
Palawan
Negros
Mindanao
Basilan Island
Celebes Sea
Equatorial Guinea
Gabon
Uganda
Kampala
Kenya
Nairobi
Somalia
Rwanda
Burundi
DRC
Jakarta
Java Sea
Indonesia

Addison-Wesley Signature
Continuous Delivery
Reliable Software Releases through Build, Test, and Deployment Automation
Jez Humble
David Farley

JASS

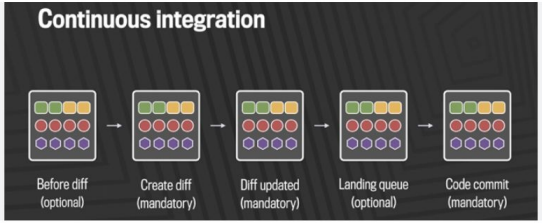
Rapid release at massive scale

engineering.fb.com/web/rapid-release-at-massive-scale/

facebook Engineering

POSTED ON AUG 31, 2017 TO DEVELOPER TOOLS, WEB

Rapid release at massive scale



By Chuck Rossi

Over time, the software industry has come up with several ways to deliver code faster, safer, and with better quality. Many of these efforts center on ideas such as continuous integration, continuous delivery, agile development, DevOps, and test-driven development. All these methodologies have one common goal: to enable developers to get their code out quickly and correctly to the people who use it, in safe, small, incremental steps.

The development and deployment processes at Facebook have grown organically to encompass many parts of these rapid iteration techniques without rigidly adhering to any one in particular. This flexible, pragmatic

Sylvain Mauduit

@swop

Senior Software Engineer, Etsy

JOIND-IN
http://bit.ly/2eHyfZN

LANYRD
http://bit.ly/2dY34Lf

SLIDES
http://bit.ly/2dY1mcW

Etsy

How **Etsy** deploys confidently 50+ times a day

JASS

OVER-THE-AIR MAGIC —

Tesla's over-the-air brake upgrade was amazing—and also a bit worrying

Over-the-air update improves Model 3 braking distance by up to 20 feet.

TIMOTHY B. LEE - 5/31/2018, 9:48 PM

Enlarge / Interior of Tesla's Model 3.

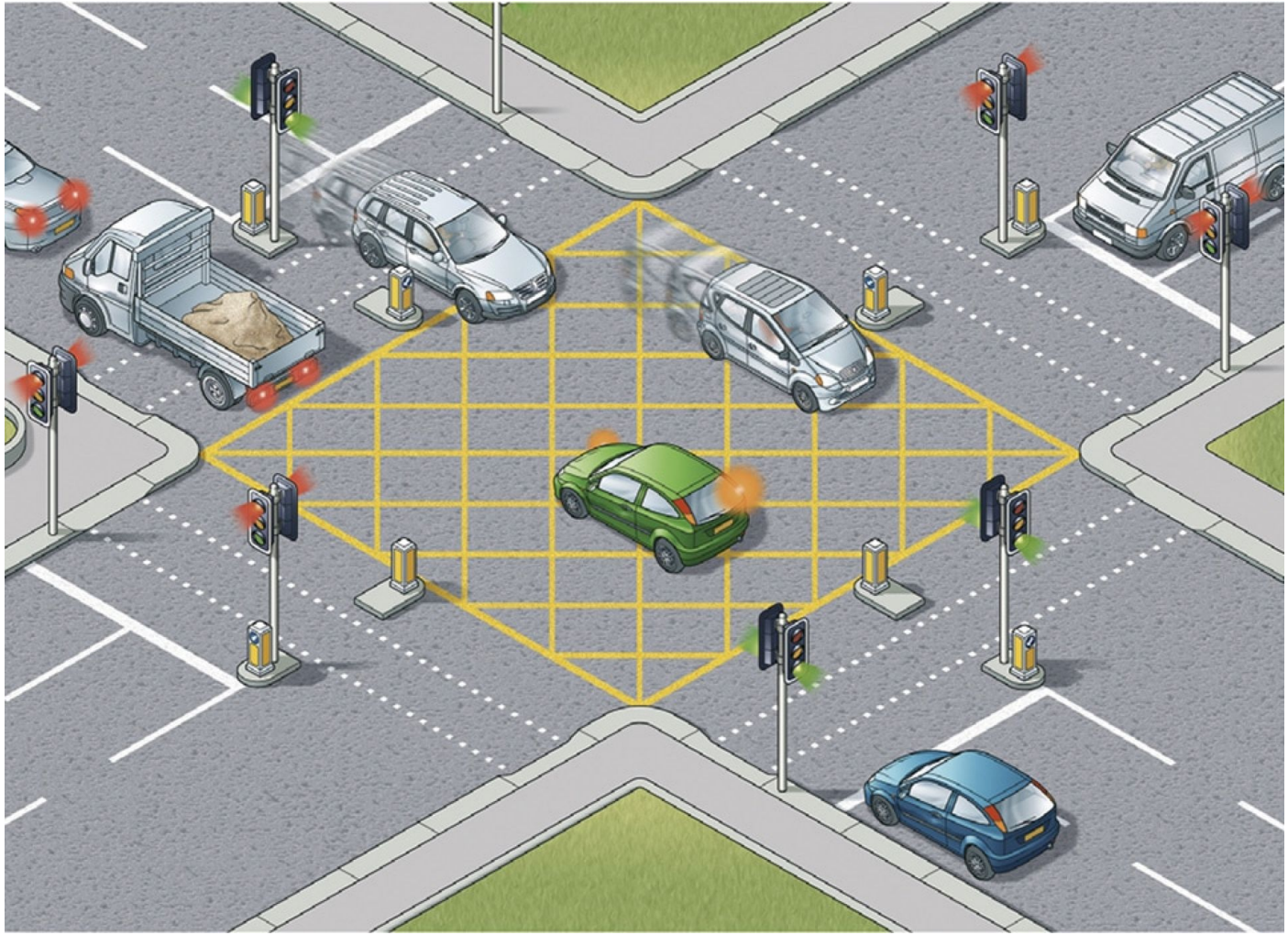
331

Tesla pushed out a software update to Model 3s that dramatically improved the car's braking performance in certain conditions. The update came days after *Consumer Reports* announced that it could not recommend the vehicle based on inconsistent—and sometimes quite poor—braking performance.

This week, after the update had gone out, Consumer reports tested its car again and found the braking had improved. As a result, the organization is now recommending the Model 3.

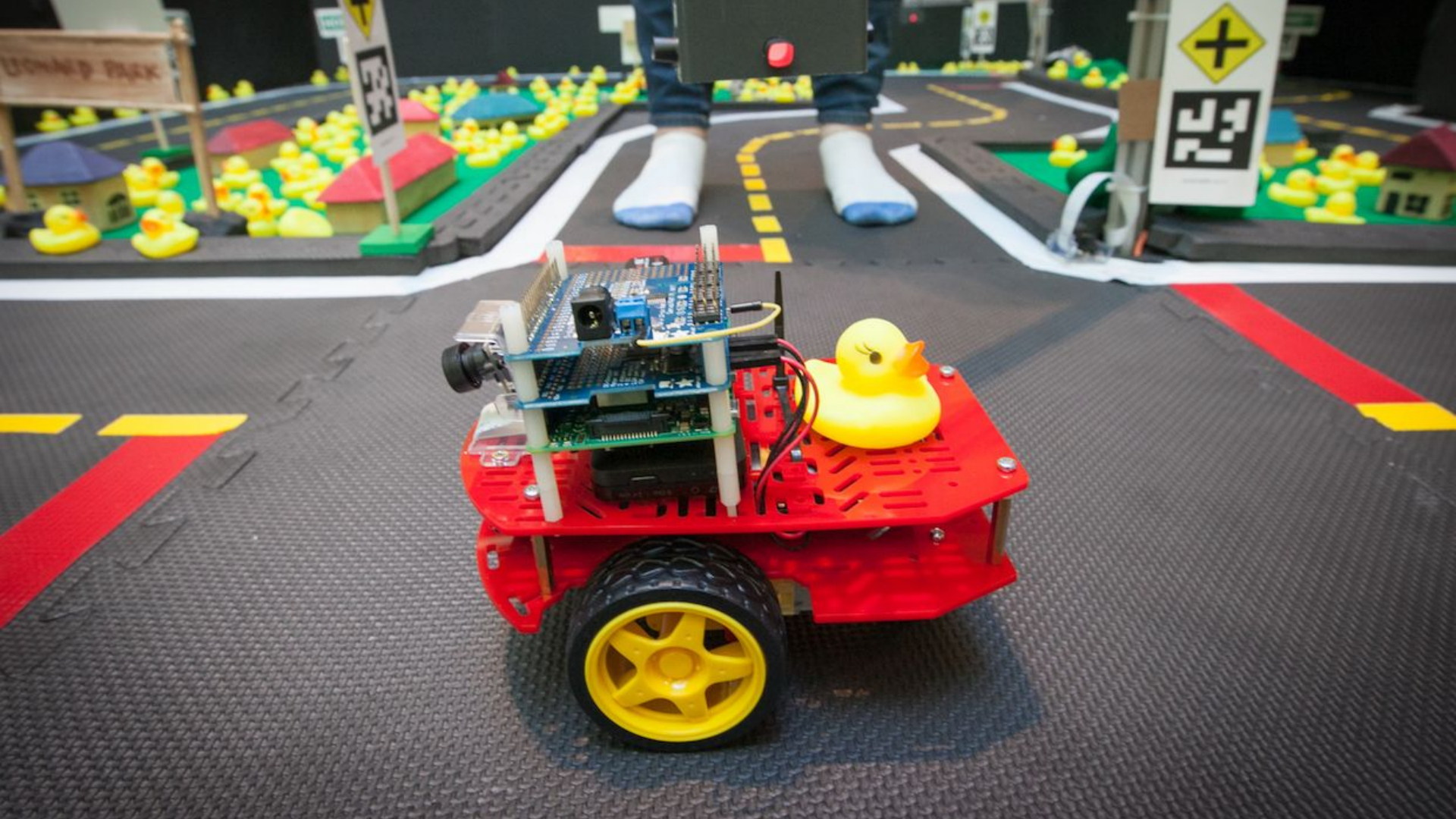
ARS VIDEO

Sitrep: Azerbaijan's TB2 Drone



DuckieTown

JASS



DuckieTown
St Petersburg

JASS

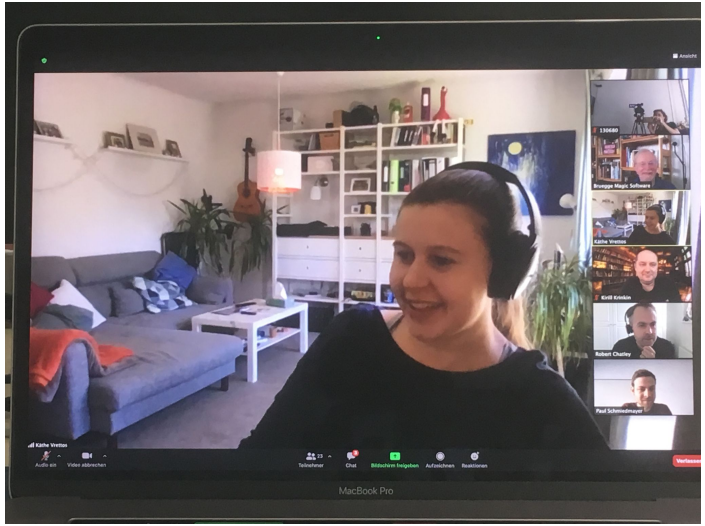
Traffic Lights

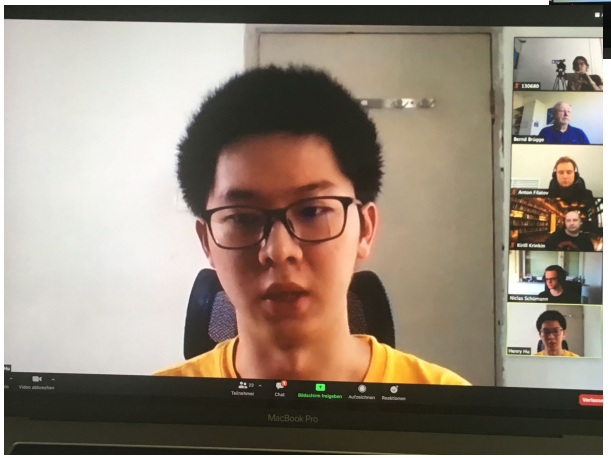
Traffic Lights

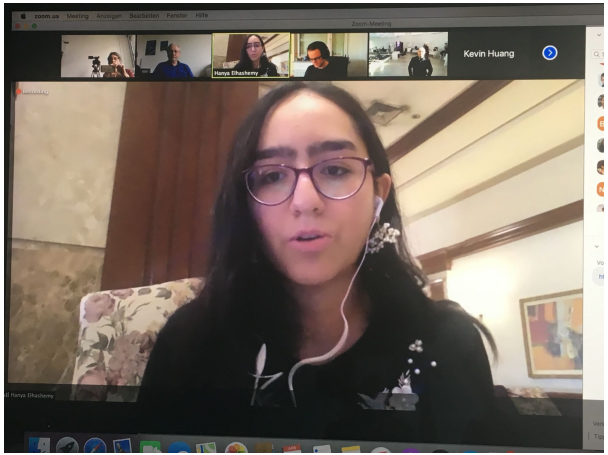
Drones

Cameras and Video Stream

Working from Home







Cross-Timezone Course Schedule

March 30th

	What	Duration	🇬🇧	🇩🇪 (+1)	🇷🇺 (+2)	🇨🇳 (+7)
1	Global Meeting	~ 20min	09:00	10:00	11:00	16:00
2	Scrum Meeting	~ 20min	09:30	10:30	11:30	16:30
3	Development	Rest of Day	10:00	11:00	12:00	17:00

JASS

March 29th

	What	Duration	🇬🇧	🇩🇪 (+1)	🇷🇺 (+2)	🇨🇳 (+7)
1	Introduction to JASS 2021, Organization, Schedule, Meeting Management, Problem Statement	~ 20min	09:00	10:00	11:00	16:00
2	Icebreaker	~ 20min	09:20	10:20	11:20	16:20
3	Introduction to DevOps	~ 20min	09:40	10:40	11:40	16:40
4	Break (20min)					
5	Hello Ducks	~ 20min	10:20	11:20	12:20	17:20
6	Hello Drones	~ 20min	10:40	11:40	12:40	17:40
7	Hello Smartie	~ 20min	11:00	12:00	13:00	18:00

March 30th - April 1st

	What	Duration	🇬🇧	🇩🇪 (+1)
1	Global Meeting	~ 20min	09:00	10:00
2	Scrum Meeting	~ 20min	09:30	10:30
3	Development	Rest of Day	10:00	11:00

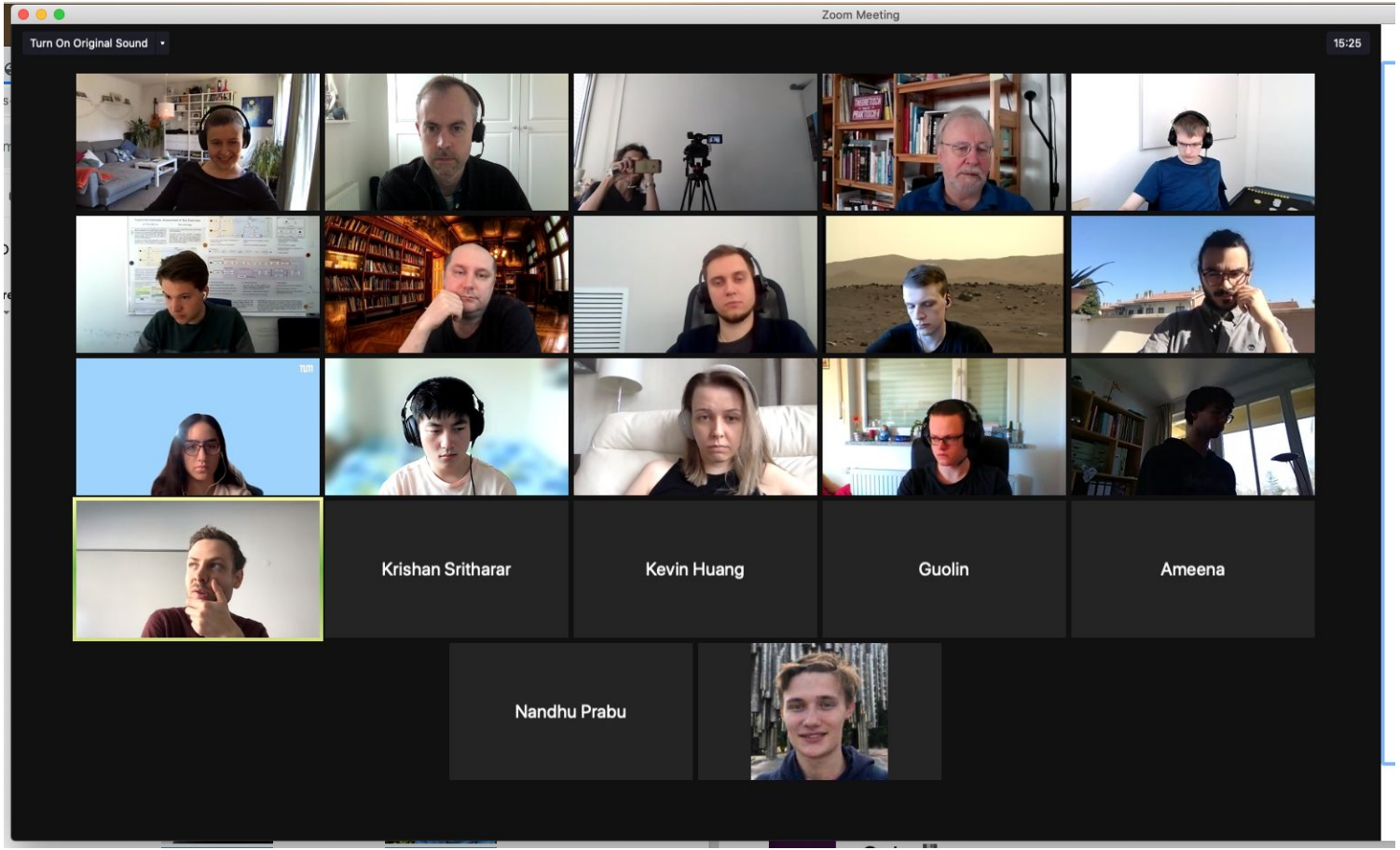
April 2nd - April 5th

Self organized work.

April 6th

	What	Duration	🇬🇧	🇩🇪 (+1)	🇷🇺 (+2)	🇨🇳 (+7)
1	Global Meeting	~ 20min	09:00	10:00	11:00	16:00
2	Scrum Meeting	~ 20min	09:30	10:30	11:30	16:30
3	Demo (10 minutes per team + 5 minutes questions)	~ 45min	14:00	15:00	16:00	21:00

JASS



Daily “standup” meeting

JASS-2021 / smart-infrastructure

Unwatch 6 | Star 1 | Fork 0

Code | Issues | Pull requests | Discussions | Actions | Projects | Wiki | ...

trunk | Go to file | Add file | Code

julian-christl tryfix multiple swift projects ... on Apr 6 114

.devcontainer	Merging back with .devcontainer	2 months ago
.github/workflows	test with external caching	2 months ago
.vscode	Trying to fix json reading - ubuntu related comp...	2 months ago
SmartInfrastructure.xc...	Updated version requirement, reloaded project ...	2 months ago
Sources	tryfix multiple swift projects	2 months ago
Tests	added NIOLIFX to package	2 months ago
.gitignore	Updated version requirement, reloaded project ...	2 months ago
.swiftlint.yml	swiftlint update	2 months ago
Dockerfile	tryfix multiple swift projects	2 months ago
LICENCE.md	Add licence	2 months ago
Package.resolved	updated some endpoints	2 months ago
Package.swift	tryfix multiple swift projects	2 months ago

About

No description, website, or topics provided.

Readme

View license

Releases

No releases published
Create a new release

Packages 1

jass-smart-infrastructure-webservice latest

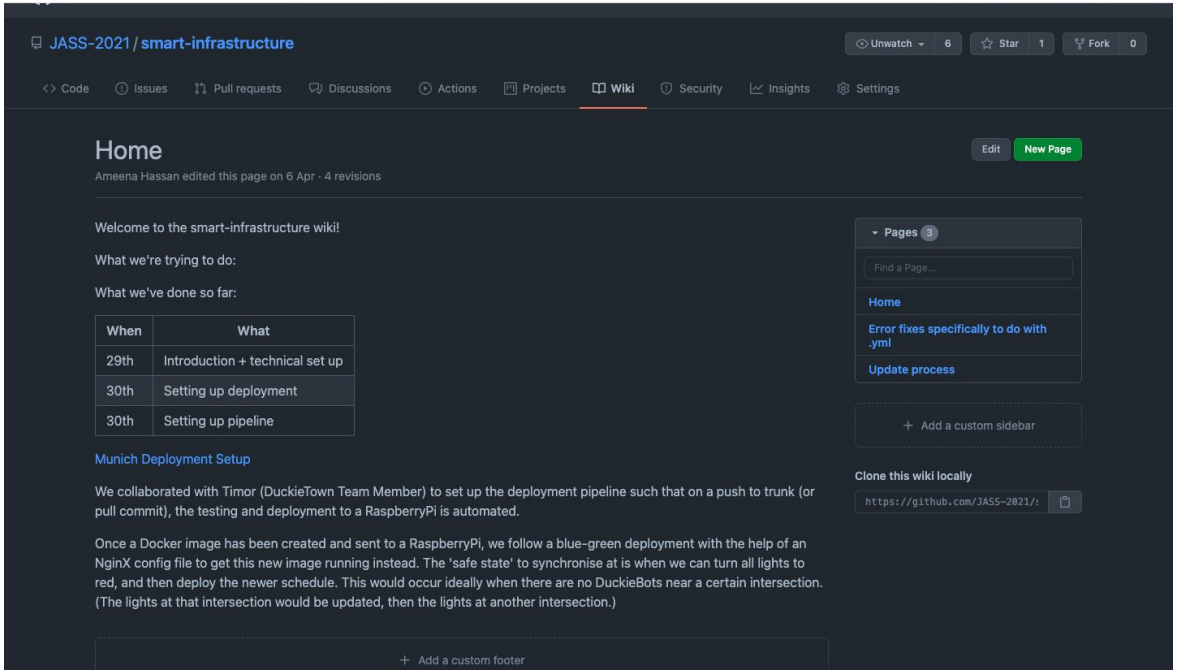
Contributors 5

JASS

Ameena

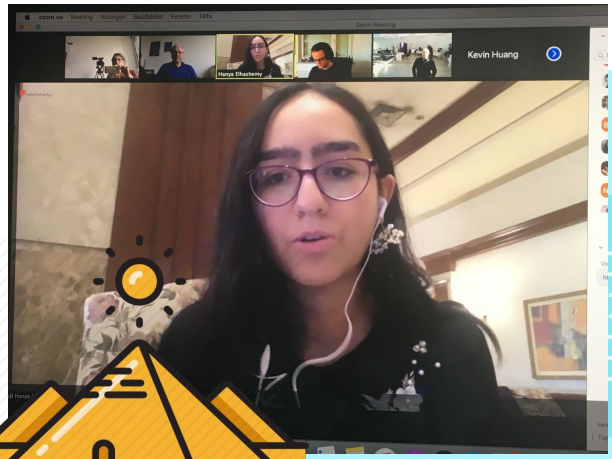
My schedule (as a student in London):

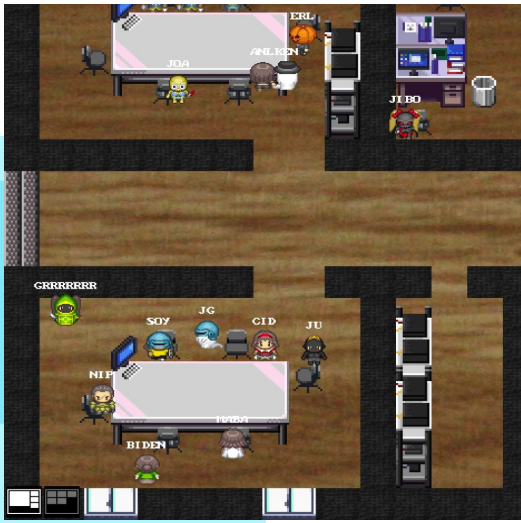
9am	Global, Scrum meetings
10am	Post Scrum meeting, (debugging across pairs)
11am	Lunch
12nn	Work on pair's goals
6pm	Wrap up - nothing broken, last commits, bragging on Slack about achievements (updates)
7pm	End of day



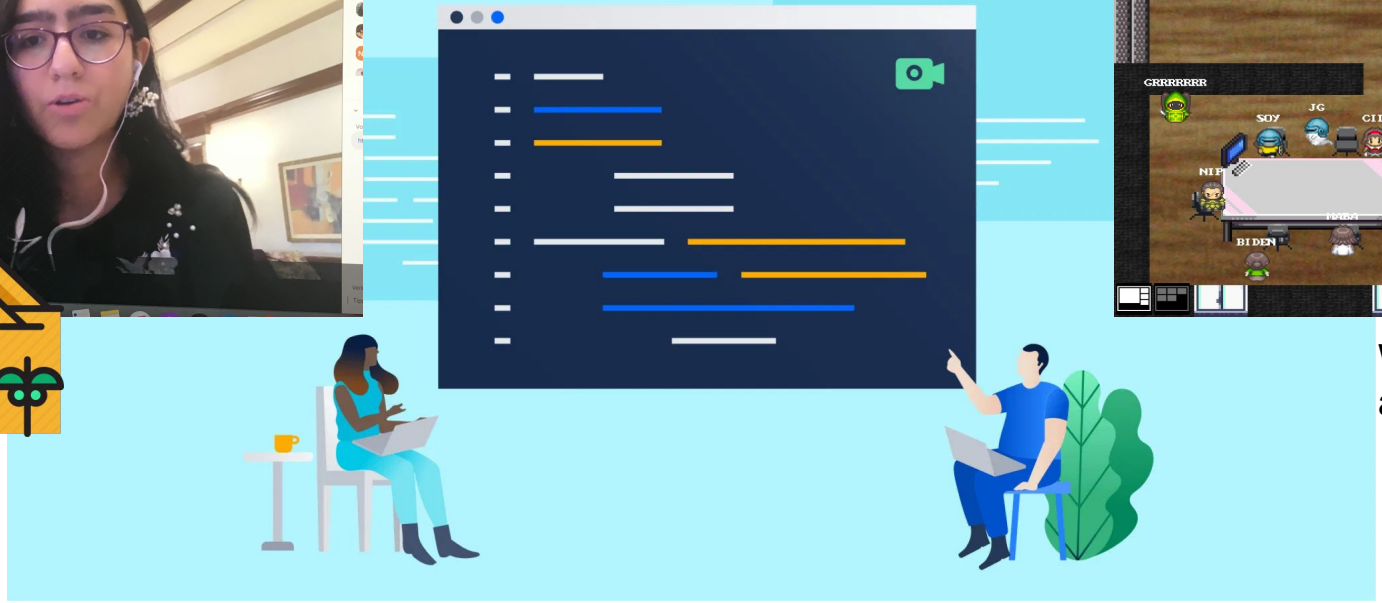
- GitHub Wiki to track progress, due to fast pace
- Learnt about how continuous development would work in a real-life project
- Multiple time zone collaboration put me in good stead for the rest of the year

Remote Pair Programming





Workadventure app



JASS

Questions?