

# AGENDA

## DesCartes School 2022

10/10

MONDAY

Hybrid AI

Theatrette, Level 2

9.00 – 10.00	<b>Welcome Address</b>
10.00 – 10.15	<i>Coffee Break</i>
10.15 – 11.15	<b>Class: AI 101 for Non-Specialists (Bryan Low)</b> High level discussions on why AI is a research problem, followed by 3 concrete examples (specifically: planning, learning, and multi-agent systems) to motivate this perspective.
11.15 – 12.15	<b>Class: Introduction to Deep Learning (Hwee Kuan Lee)</b> This lecture will cover a brief review of current status of deep learning and also give a geometric explanation of neural network learning.
12.15 – 14.15	<i>Lunch Break</i>
14.00 – 15.00	<b>Interactive Workshop: On shortcomings of Learning (Blaise Genest)</b> Throughout this activity, students will explore some surprising limits of learning methodologies, and consider ways to alleviate them.
15.00 – 16.00	<b>Interactive Workshop: Who killed Daphine? (Stephane Bressan)</b> A group of 20 persons spent the night in a manor. In the morning, a dead body was found the following day in the cellar... Students will help the police discover who did it, using the power of provenance management and probabilistic databases.
16.00 – 17.00	<i>Coffee Break</i>
17.00 – 19.00	<b>Conference by Hubert Béroche (CEO of Urban AI)</b>
19.30 – 22.30	<b>Welcome cocktail and dinner @Potato Head Singapore</b> (36 Keong Saik Rd., Singapore 089143) <i>Shuttle buses will depart from CREATE around 7-7.15pm</i>

11/10

TUESDAY

Humans, Society  
and AI

Pinnacle Room, Level 16

9.30 – 10.00	<b>General Introduction</b>
10.00 – 10.30	<i>Coffee Break</i>
10.30 – 12.00	<b>Class and Interactive Workshop: Not The Face! (Hydar Saharudin)</b> For this interactive arts & craft exercise, participants will explore the socio-politics of facial detection and recognition technologies, and the emerging fashion designs that may undermine them.
12.00 – 14.00	<i>Lunch Break</i>
14.00 – 15.30	<b>Class and Interactive Workshop: Creativity (Andrew Prael)</b> Divided into groups, students will have to mobilize their creativity in order to produce the best artwork... With a little help from an outside source!
15.30 – 16.00	<i>Coffee Break</i>
16.00 – 17.30	<b>Ethical Debate: Automating Morality (Nina Powell &amp; Jennifer Ang)</b> Students will look at the way programmers seem to think about ethics when designing “moral machines” and then consider some of the challenges of automating morality.

12/10

WEDNESDAY

Augmented  
Engineering  
& AI

Theatrette Level 2 (am)  
Pinnacle Room, Level 16  
(pm)

9.00 – 11.00	<b>Conference on Data simulation and data modelling by Daniel Delahaye (ENAC)</b>
11.00 – 11.15	<i>Coffee Break</i>
11.15 – 12.00	<b>Explanations regarding the afternoon’s hackathon</b>
12.00 – 13.00	<i>Lunch Break</i>
13.00 – 15.45	<b>Hackathon: Effective Data Assimilation (Ludovic Chamoin &amp; Benoit Delinchant)</b> Teams will be invited to address a problem with given context and constraints (functionalities, technologies), but with sufficient flexibility in the methodology to promote originality and innovation.
15.45 – 16.00	<i>Coffee Break</i>
16.00 – 17.00	<b>Conference on « Why Should Engineers Care About Complex Systems?» by Cheong Siew Ann (School of Physical &amp; Mathematical Sciences, NTU)</b>
17.00 – 18.30	<b>Participants presentations and feedbacks</b>

# AGENDA

## DesCartes School 2022

13/10

THURSDAY

DesCartes Program

Theatrette, Level 2

9.00 – 10.30	<b>Presentations: WP1 &amp; WP3</b>
10.30 – 10.45	<i>Coffee Break</i>
10.45 – 12.15	<b>Presentations: WP4 &amp; WP7</b>
12.15 – 14.00	<i>Lunch Break</i>
14.00 – 16.15	<b>Presentations: WP5 &amp; WP6 &amp; WP8</b>
16.15 – 16.30	<i>Coffee Break</i>
16.30 – 18.00	<b>Presentations: WP2 &amp; WPX</b>

14/10

FRIDAY

DesCartes Program

Theatrette, Level 2

10.00 – 11.15	<b>Presentation: WP9 (demonstrators &amp; builders)</b>
11.10 – 11.30	<i>Coffee Break</i>
11.30 – 13.00	<b>Presentation: WP9 (demonstrators &amp; builders)</b>
13.00 – 15.00	<i>Lunch Break</i>
15.30 – 16.00	<b>Open Conference by Professor Cedric Villani (Fields Medal 2010) - TBC</b>
16.00 – 17.30	<b>One year DesCartes anniversary overview</b>
17.30 – 17.50	<b>Closing remarks</b>
18.00 – 20.30	<b>Cocktail and Networking</b>

15/10

SATURDAY

Casual Lunch

TBA

11.30 – 12.00	<b>Closing address</b>
12.00 – 14.30	<i>Lunch</i>
14.30 – 15.00	<b>Conclusion of the school</b>

FOR INQUIRIES

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