



The VADA Program

Visual and Automated Disease Analytics
Graduate Training Program

VADA Program Data Science & AI Summer School

<http://vada.cs.umanitoba.ca/>

<https://www.uvic.ca/hsd/hinf/>



University
of Manitoba



University
of Victoria

Tuesday, 13th July, 2021

Introduction and Motivation

Speakers: Dr. Elizabeth Borycki & Dr. Andre Kushniruk

8:30 am – 8:45 am (PDT)

10:30 am – 10:45 am (CDT)

Informing the Advancement of Digital Health with Research and Measurement & Building a Self-serve Analytics Website for Sharing the Results of a National Digital Health Survey

Speakers: Simon Hagens, Bobby Gheorghiu & Barry Xu

8:45 am – 9:30 am (PDT)

10:45 am – 11:30 am (CDT)

Digital Health in Canada

Speaker: Mark Casselman

9:30 am – 10:00 am (PDT)

11:30 am – 12:00 pm (CDT)

Biomedical AI: Its Roots, Evolution, and Agenda for the Future

Speaker: Dr. Edward H. (Ted) Shortliffe

10:00 am – 11:00 am (PDT)

12:00 pm – 1:00 pm (CDT)

Wednesday, 14th July, 2021

Introduction and Recap

Speakers: Dr. Elizabeth Borycki & Dr. Andre Kushniruk

9:00 am – 9:15 am (PDT)

11:00 am – 11:15 am (CDT)

eXplainable AI - Towards Self-assessment Methods for Machine Learning Systems

Speaker: Dr. Riccardo Bellazzi

9:15 am – 10:15 am (PDT)

11:15 am – 12:15 pm (CDT)

Coffee Break

10:15 am – 10:30 am (PDT)

12:15 pm – 12:30 pm (CDT)

Thursday, 15th July, 2021

Introduction and Recap

Speakers: Dr. Elizabeth Borycki & Dr. Andre Kushniruk

9:00 am – 9:15 am (PDT)

11:00 am – 11:15 am (CDT)

Artificial Intelligence in Health: back to the future

Speaker: Dr. Fernando Martin-Sanchez

9:15 am – 10:15 am (PDT)

11:15 am – 12:15 pm (CDT)

Coffee Break

10:15 am – 10:30 am (PDT)

12:15 pm – 12:30 pm (CDT)

	AI for Earlier Medicine Speaker: Dr. Yu-Chuan Jack Li 10:30 am – 11:30 am (PDT) 12:30 pm – 1:30 pm (CDT)	Population Data BC – Researcher Resources and Data Access Request (DAR) Services Speakers: Megan Ahuja & Ann Greenwood 10:30 am – 11:00 am (PDT) 12:30 pm – 1:00 pm (CDT)
<i>Coffee Break</i> 11:00 am – 11:15 am (PDT) 1:00 pm – 1:15 pm (CDT)		Using Data Science to Harness an Advanced EHR and Improve Analytical Maturity in a Regional Health Authority Speaker: Dr. Brandon Wagar 11:00 am – 11:30 am (PDT) 1:00 pm – 1:30 pm (CDT)
Human-Centered AI: Supporting User Control & Visualization Speaker: Dr. Ben Shneiderman 11:15 am – 12:15 pm (PDT) 1:15 pm – 2:15 pm (CDT)	So, Is Privacy Dead? Not so Fast... Speaker: Paulette Lacroix 11:30 am – 12:00 pm (PDT) 1:30 pm – 2:00 pm (CDT)	Leveraging Data and Analytics to Improve the Quality and Efficiency of Health Services Speaker: Peter Papadakos 11:30 am – 12:00pm (PDT) 1:30 pm – 2:00 pm (CDT)
<i>Lunch Break</i> 12:15 pm – 1:15 pm (PDT) 2:15 pm – 3:15 pm (CDT)	<i>Lunch Break</i> 12:00 pm – 1:00 pm (PDT) 2:00 pm – 3:00 pm (CDT)	<i>Lunch Break</i> 12:00 pm – 1:00 pm (PDT) 2:00 pm – 3:00 pm (CDT)
Examples of the Application of Data Science in the Management of Covid-19 Within the BC Ministry of Health Speaker: Martin Wright 1:15 pm – 2:00 pm (PDT) 3:15 pm – 4:00 pm (CDT)	Introduction to the Yale Center for Biomedical Data Science Speaker: Dr. Xinxin (Katie) Zhu 1:00 pm – 2:00 pm (PDT) 3:00 pm – 4:00 pm (CDT)	Student Presentation 1:00 pm – 3:30 pm (PDT) 3:00 pm – 5:30 pm (CDT)
<i>Coffee Break</i> 2:00 pm – 2:15 pm (PDT) 4:00 pm – 4:15 pm (CDT)	<i>Coffee Break</i> 2:00 pm – 2:15 pm (PDT) 4:00 pm – 4:15 pm (CDT)	

Adventures in Analytics: Building a Healthcare Improvement Team Speaker: Michael Li 2:15 pm – 2:45 pm (PDT) 4:15 pm – 4:45 pm (CDT)	Challenges and Opportunities for Artificial Intelligence in Low Resource Settings Speaker: Dr. Yuri Quintana 2:15 pm – 3:15 pm (PDT) 4:15 pm – 5:15 pm (CDT)	
Canada’s Health TECH Industry – Opportunities & Collaboration Speaker: Elaine S. Huesing 2:45 pm – 3:30 pm (PDT) 4:45 pm – 5:30 pm (CDT)		<i>Break</i> 3:30 pm – 4:00 pm (PDT) 5:30 pm - 6:00 pm (CDT)
		Closing Session Data Challenge Awards Poster Presentation Awards Acknowledgement of Graduating VADA Students 4:00 pm – 5:00 pm (PDT) 6:00 pm – 7:00 pm (CDT)