Technology Governance Summer School
Agenda

WEEK ONE

DAY 1 - August 11		
Time	**Topic**	**Instructor**
9:00-9:20	Welcome and icebreaker activity	Ann Fitz-Gerald & Jatin Nathwani
9:20-10:30	An introduction to Technology Governance	Ann Fitz-Gerald & Jatin Nathwani
10:30-10:45	AM break	-
10:45-12:15	An introduction to Data Science and Data Analytics	M. Tamer Özsu
12:15-1:00	Lunch	-
1:00-2:30	An introduction to Large Language Models (LLM)	Pascal Poupart
2:30-2:45	PM break	
2:45-4:00	Trends in the Semi-Conductor and Chip Industry	Hamid Arabzadeh

DAY 2 - August 12		
Time	**Topic**	**Instructor**
9:00-10:30	Computer Security and Privacy	Florian Kerschbaum
10:30-10:45	AM break	
10:45-12:30	Real-life Insights into Cybersecurity in Practice	J. Paul Haynes
12:30-1:00	Lunch	
1:00-2:30	The History of AI	Mark Humphries
2:20-2:30	PM break	
2:30-4:00	Considerations of Law, Ethics, and Trust in the Use of AI in Healthcare	Maura Grossman

DAY 3 - August 13		
Time	**Topic**	**Instructor**
9:00-10:30	How AI Technologies Work	Dmytro Chumachenko
10:30-10:45	AM break	
10:45-1:00	Using AI Tools: Group Exercise	Dmytro Chumachenko
1:00-1:45	Lunch	
1:45-2:55	Governance, Trust, and Participatory Approaches to AI	Susan Aaronson
2:55-3:10	PM break	
3:10-4:00	Case Study: Could AI provide an easy means of obtaining public opinion, reviewing it, and	Susan Aaronson

	working to find consensus? Can AI help make democracy work better?	

WEEK ONE (CONTINUED)

DAY 4 - August 14		
Time	Topic	Instructor
9:00-10:30	Navigating the Intangibles Economy + The Nortel Case Study	Dan Ciuriak
10:30-10:45	AM break	-
10:45-12:30	Legal Implications of the Intangibles Economy and the Shopify Case Study	James W. Hinton
12:30-1:00	Lunch	-
1:00-2:30	Digital Governance Frameworks	Barry Appleton
2:30-2:45	PM break	-
2:45-4:00	Case study - India Algorithm Balsillie Case Study	Barry Appleton

WEEK TWO

DAY 5 - August 18		
Time	Topic	Instructor
9:00-9:10	Recap week 1	Ann Fitz-Gerald
9:10-10:30	Policy Development in a Digital Era	Ann Fitz-Gerald
10:30-10:45	AM break	-
10:45-12:30	Challenges and Opportunities for Government Transparency Frameworks in the Digital Age	Matt Malone
12:30-1:00	Lunch	-
1:00-2:30	Case Study - Open Source Intelligence	Matt Malone
2:30-2:45	PM break	
2:45-4:00	Understanding the Coming AI Revolution and its Impact on the Future of Work	Joel Blit

DAY 6 - August 19		
Time	Topic	Instructor
9:00-10:30	Financing Technological Innovation: A Case Study	Artie Ng
10:30-10:45	AM break	
10:45-12:15	Evaluation and Reporting of Intangibles	Bruce McConomy
12:15-12:45	Lunch	
12:45-2:15	Technologies of Common Concern	Neil Craik
2:15:2:30	PM break	

2:30-4:00	Novel Water Systems: Policy implications + Case Study on the Economics of Sustainability Applications	Dustin Garrick

WEEK TWO (CONTINUED)

DAY 7 - August 20		
Time	**Topic**	**Instructor**
9:00-10:30	Energy Technology Policy	Jatin Nathwani
10:30-10:45	AM break	
10:45-12:00	Migration Technology Policy	Jenna Hennebry
12:00-12:45	Lunch	
12:45-2:15	The Age of Hype: Technology and National Security	Alexander Lanoszka
2:15-2:30	PM break	
2:30-4:00	Technology and Policy Trends in Defence Systems	Branka Marijan

DAY 8 - August 21		
Time	**Topic**	**Instructor**
9:00-10:30	Technology and Health Governance	Karen Yeates
10:30-10:45	AM break	-
10:45-12:00	Case Study - Smart Phone Apps, Preventative Screening, and the Issue of Consent	Karen Yeates
12:00-1:00	Lunch	-
1:00-2:30	Space Governance	Jessica West
2:30-2:45	PM break	-
2:45-3:45	The Impact of Technology on Geopolitics	Paul Samson
3:45-4:00	Summary of Week 2 + Closing Remarks	Ann Fitz-Gerald & Jatin Nathwani