2021 Ottawa Hockey Analytics Conference (#OTTHAC21) Program

FRIDAY March 26, 2021

Big Data Cup powered by Stathletes hackathon Finals
7p-9p

7:00p   Opening and Introduction
Moderators: Meghan Chayka & Alison Lukan

Big Data Cup **Open** Group Finals
          Judges: Chris Baker, Rachel Doerrie, Brian Macdonald, Asmae Toumi, Eric Tulsky

7:10p	Greg Ackerman	_Evaluating the 2019-20 Erie Otters through Markov Models_
7:40p	Brendan Kumagai, Mikael Nahabedian, Thibaud Châtel, Tyrel Stokes	_Bayesian Space- Time Models for Expected Possession added Value_
8:10p	Ian Astalosh	_Teamwork Makes the Dream Work_
8:40p	Marc Richards	_Moving Beyond Assists: A Bayesian Analysis of Passing Ability_

Winners will be announced at the end of OTTHAC on Saturday

Conference Sponsors:
Stathletes
Canadian Statistical Sciences Institute/Institut canadien des sciences statistiques
Institute of Data Science, Carleton University
Dean of Science, Carleton University
Statistical Society of Ottawa/ Société statistique d'Ottawa
School of Mathematics and Statistics, Carleton University (ON)
National Women's Hockey League (NWHL)
Erie Otters
Boston Bruins
Los Angeles Kings
New Jersey Devils
Ottawa Senators
Philadelphia Flyers
Winnipeg Jets
Academic Dean's Office, St. Lawrence University
Mathematics, Computer Science and Statistics Department, St. Lawrence University

SATURDAY March 27, 2021

Moderator: Michael Schuckers (am)/ Alison Lukan (pm)

10:00a	Shirley Mills Michael Schuckers Alison Lukan	Opening Remarks: Dr. Chuck Macdonald, Dean of Science, Carleton University
10:10	Meghan Chayka	Keynote
10:40	Brian Macdonald Jack Birch	Interview with Jack Birch
11:10	Sarah Morris	*Injury Surveillance in Collegiate and High School Hockey Athletes*
11:40	BREAK	
12:00p		**Big Data Cup *College* Group Finals** Judges: Namita Nandakumar, Josh Pohlkamp-Hartt, Timo Seppa
12:00p	Devlin Sullivan, Owen Ricketts	*Determining Pass Value and Efficiency in Hockey*
12:30p	Ben Howell	*How Do We Get There: Quantifying Pass Types and their Value*
1:00p	Lunch/ OTTHAC Poster Session	Link emailed to registrants Choose among 3 breakout rooms (see details below)
2:00	Connor Jung	*Deep Learning for projecting prospects — A Long-Short Term Memory (LSTM) Framework for player development*
2:30	Mike Johnson, Alison Lukan	Interview with Mike Johnson
3:00	BREAK	
3:15	Micah Blake McCurdy	*Isolated impact on Blueline Traversals*
3:45	Big Data Cup Poster Session	Link emailed to registrants: Choose among 3 breakout rooms (see details below)
4:45	Big Data Cup Awards	
5:45	Closing Remarks	Meghan Chayka, Alison Lukan, Shirley Mills, Michael Schuckers

OTTHAC Poster Session Details (1p-1:50p)

Room	Presenters
A: Prospects and the Draft (Moderator: Sean Tierney)	Will Scouch Isabelle Pardew
B: Expected Value and Scoring Chances (Moderator: Schuckers)	Nick Czuzoj-Shulman Vincent Karpick Jered Petrou
C: Sport Science and Special Teams (Moderator: Dani Chu)	Aaron Pearson Dave Vallett Madeleine Anthonisen

BIG DATA CUP Honorable Mention Poster Session Details (3:45p - 4:35p)

Room	Presenters
A: Passing Analysis (Moderator: Campbell Weaver)	Coltrane Yan Dan Morse Jacob Fahringer
B: NWHL and Women's Hockey Data Analysis (Moderator: Alison Lukan)	Nayan Patel, Carleen Markey Shayna Goldman, Mike Murphy, Alyssa Longmuir Ethan Douglas, Sean Clement, Nick Wan, Ian Greengross
C: Advanced Player Metrics (Moderator: Sam Ventura)	Avery Ellis Matt Hurley Alex Novet Matthew Raber Daniel Eisenberg

Big Data Cup Honorable Mentions:

Coltrane Yan	[Prospect Decisions-Making and Pass Quality with Pass Value Added](#)
Dan Morse	[Quantifying offensive passing ability with Expected Primary Assists](#)
Jacob Fahringer	[Hot Routes An Analysis of Powerplay Entry Paths](#)
Nayan Patel, Carleen Markey	[Identifying Player Archetypes in Women's Hockey](#)
Shayna Goldman, Mike Murphy Alyssa Longmuir	[How important are faceoffs to possession in women's hockey](#)
Ethan Douglas, Sean Clement, Nick Wan, Ian Greengross	[Valuing Individual Contributing Events (V-ICE) in Hockey](#)
Avery Ellis, Matt Hurley	[Using Threat To Value & Contextualize On-Puck Actions](#)
Alex Novet	[BSAVE: Bayesian Skater Action Value Expectation](#)
Matthew Raber, Daniel Eisenberg	[Defensive Efficiency Metrics (DEMs)](#)