

2017 New England Symposium on Statistics in Sports

Breakfast and Registration: Foyer area

8:00am – 9:15am: Coffee, tea, pastries

Welcome Address

9:15am – 9:30am: Mark Glickman and Scott Evans

Morning Session: Lecture Hall C - Featured talks

- 9:30am – 10:00am: David Firth, University of Warwick and the Alan Turing Institute
“Fair standings in soccer and other round-robin leagues”
- 10:00am – 10:30am: Stephanie Kovalchik, Tennis Australia
“A shot taxonomy in the era of tracking data in professional tennis”
- 10:30am – 11:00am: Michael Lopez, Skidmore College; Benjamin Baumer, Smith College
“How often does the best team win?”
A unified approach to understanding randomness in North American sport”

Break: Foyer area

11:00am – 11:30am: Coffee and tea

Late-morning Parallel Sessions

11:30am – 1:00pm: Lecture Halls C and D

Lecture Hall C - Topics in basketball analytics

- 11:30am – 12:00pm: Konstantinos Pelechrinis, University of Pittsburgh
“LinNet: Probabilistic lineup evaluation through network embedding”
- 12:00pm – 12:30pm: Grace Dickman, Macalester College
“No ‘I’ in Team: A network analysis of Division I men’s basketball offenses”
- 12:30pm – 1:00pm: Suraj Keshri, Columbia University
“Automatic event detection in basketball games”

Lecture Hall D - Topics in football analytics

- 11:30am – 12:00pm: Harold Sackrowitz, Rutgers University
“Strategy implications of the NFL’s PAT rule”
- 12:00pm – 12:30pm: Ronen Yakubov, Craig Fernandez, Amrit Prasad, Yu Li, University of Toronto
“Utilizing analytics to reduce NFL offensive play type predictions to a mental checklist”
- 12:30pm – 1:00pm: Ronald Yurko, Carnegie Mellon University
“NFLWAR: A reproducible method for offensive player evaluation in football”

Lunch break: Foyer area

1:00pm – 2:00pm: Sandwiches, beverages, snacks

Afternoon Parallel Sessions

2:00pm – 3:30pm: Lecture Halls C and D

Lecture Hall C - Advances in player tracking/location analysis

2:00pm – 2:30pm: Devin Pleuler, Toronto Football Club

“Opposition analysis: Methods for forecasting style of play in soccer”

2:30pm – 3:00pm: Nathan Sandholtz, Simon Fraser University

“Replaying the NBA: Using Markov Decision Processes to test decision-making from the 2015-2016 regular season”

3:00pm – 3:30pm: Karl Pazdernik, North Carolina State University

“Player tracking in American football: Spatio-temporal modeling of defensive players’ intent”

Lecture Hall D - Novel applications in sports analytics

2:00pm – 2:30pm: Brian Macdonald, Florida Panthers

“Using data analysis to predict attendance for NHL regular season games”

2:30pm – 3:00pm: Kyle Burris, Duke University

“Out of gas: Quantifying fatigue in MLB relievers”

3:00pm – 3:30pm: Martin Ingram, Silverpond

“A point-based Bayesian hierarchical model to predict the outcome of tennis matches”

Poster Session: Foyer area

3:30pm – 5:00pm: With snacks and beverages

Panel Discussion: Lecture Hall C

5:00pm – 6:30pm: *“Past, present and future of analytics in the NFL”*

Moderator: Aaron Schatz – Football Outsiders

Panelist: Dennis Lock – Miami Dolphins

Panelist: Karim Kassam – Pittsburgh Steelers

Panelist: Sandy Weil – Los Angeles Rams

Post-NESSIS Get-Together

7:00pm – 9:00pm: Tasty Burger, Harvard Square
40 JFK Street, Cambridge, MA 02138
(on the corner of JFK St. and Mt. Auburn St.)
<http://www.tastyburger.com/>

Please head downstairs after entering the restaurant.
Appetizers provided; Cash bar only.