

GIS in Education & Research Conference

MONDAY, NOVEMBER 30

Hart House, University of Toronto

8:00 a.m. Breakfast and Registration

9:00 a.m. **Welcome and Introduction of Plenary speaker:**

Dr. Brent Hall, Director Education and Research, Esri Canada

9:10 a.m. **Plenary session – Guest speaker**

Professor Emeritus Dr. Michael Goodchild, University of California, Santa Barbara

10:10 a.m. **Break (provided)**

PAPER SESSIONS 1 (16 PAPERS TOTAL AND 1 WORKSHOP)

Concurrent track #1

4 papers – 20 minutes each

5 minutes for questions at the end

Concurrent track #2

4 papers - 20 minutes each

5 minutes for questions at the end

Concurrent track #3

4 papers - 20 minutes each

5 minutes for questions at the end

Concurrent track #4

10:30 a.m. **4 papers** - 20 minutes each

5 minutes for questions at the end

Workshop 3 (Maximum 30 registrants)

Title: Storytelling with Maps

Description: Story maps are web maps that combine text, multimedia, and interactive functions to inform, educate, entertain, and inspire people about a wide variety of topics.

By using maps to tell a story, students can become more geographically aware, better

Understand the interconnectedness that makes the world work, and become better global citizens.

Join this workshop to learn how you can create and use story maps in your teaching.

We will also use the smartphone app, Snap2Map, which allows the user to create a story map while conducting field research.

Instructor: Jean Tong, Angela Alexander, Hayleigh Conway (Esri Canada)

12:15 p.m. **Lunch (not provided)**

PAPER SESSIONS 2 (8 PAPERS AND 2 WORKSHOPS TOTAL)

Concurrent track #1

1:15 p.m. **4 papers** – 20 minutes each

10 minutes for questions at the end

Concurrent track #2

4 papers - 20 minutes each

10 minutes for questions at the end

Workshop 1 (Maximum 20 registrants)

Title: Integrating R with ArcGIS

Description: R is a statistical programming language that provides access to a large collection of statistical tools for data analysis. In this workshop, you will learn how to use R to extend the capabilities of ArcGIS for Desktop (including ArcGIS Pro) using the new R-ArcGIS Bridge.

You will also learn several basic R programming techniques, and how to construct and execute a geoprocessing tool that uses R to perform data analysis.

Instructor: Cam Plouffe (Esri Canada)

Workshop 2 (Maximum 30 registrants)

Title: Building Custom Web Apps with ArcGIS

Description: Learn about some of the changes that are being made to the ArcGIS API for JavaScript in version 4.0 and how to use the JavaScript API to create your own custom Web apps. Also learn how to create custom widgets that you can use to extend Web apps built using the Developer Edition of the Web AppBuilder for ArcGIS.

Instructor: Krista Amolins, Dr. Michael Leahy, Jonathan Van Dusen (Esri Canada)

Workshop 3 Continued

2:45 p.m.

Break (provided)

PAPER SESSIONS 3 (8 PAPERS AND 2 WORKSHOPS TOTAL)

Concurrent track #1

4 papers – 20 minutes each

10 minutes for questions at the end

Concurrent track #2

3:00 p.m.

4 papers - 20 minutes each

10 minutes for questions at the end

Workshop 1 Continued

Workshop 2 Continued

4:30 p.m. **Conference Closes**

- See more at: <http://www.esri.ca/en/content/gis-education-research-conference#.dpuf>