

**2020 Master of Forest Conservation Capstone Presentation Schedule**  
**Institute of Forestry & Conservation**  
**John H. Daniels Faculty of Architecture, Landscape, and Design**

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| Tuesday, December 8, 2020 |                    |   |                           |                     |   |
|---------------------------|--------------------|---|---------------------------|---------------------|---|
| Time                      | Student            | Title   | Internal Supervisor       | External Supervisor | External's Affiliation  |
| 10:00AM                   | Lindsay Dandridge  | A feasibility study of Saskatchewan's potential to support mass timber manufacturing and construction   | Anne Koven                | Diane Roddy         | Sakaw Askiy Management Inc.   |
| 10:25AM                   | Feiran Xu          | A study on the feasibility of conducting mass timber production in the Whitefeather Forest in northwestern Ontario within the lands of the People of Pikangikum | Anne Koven                | Andre Chapeskie     | Whitefeather Forest Community Resource Management Authority                                     |
| 10:50AM                   | Zijing Lyu         | An analysis of illegal logging of rosewood ( <i>Dalbergia spp.</i> )  | Sally Krigstin            | Isabell Duchesne    | Canadian Wood Fibre Centre, NRCan   |
| 11:15AM                   | Haolin Wei         | An evaluation of the effectiveness of methodologies used for detection of insects in wood treated by various phytosanitary approaches                           | Sally Krigstin            | Veronique Martel    | Canadian Forest Service, NRCan  |
| 11:40AM                   | Leanne Jennings    | 25-year natural regeneration responses to varying levels of retention harvesting in a dry cool Montane forest of interior British Columbia                      | John Caspersen            | Garbiel Danyagri    | British Columbia Ministry of Forests, Lands, Natural Resource Operations, and Rural Development |
| <b>LUNCH</b>              |                    |   |                           |                     |   |
| 1:00PM                    | Emily Lock         | Reconstructing historical logging in the Great Lakes - St. Lawrence forests of Ontario  | Jay Malcolm               | Trevor Jones        | Canadian Wood Fibre Centre, NRCan   |
| 1:25PM                    | Samantha O'Donnell | Trench depth as a critical growth factor during silvicultural planning of mechanical site preparation treatments  | Ben Kuttner               | Josh Sherrill       | J.D. Irving, Limited  |
| 1:50PM                    | Adam Tweedle       | Framework for seed stand implementation within the University of Toronto Scarborough campus woodlot   | Danijela Puric-Mladenovic | Colin Huebert       | City of Toronto, Urban Forestry   |
| 2:15PM                    | Zijun Chen         | Effects of binder on seed germination and radical extension   | Sean Thomas               | Natasha Kuperman    | Seed the North, Inc.  |
| <b>BREAK</b>              |                    |   |                           |                     |   |
| 3:00PM                    | Julia Fang         | Genetic structure of a spruce budworm outbreak  | Patrick James             | Amanda Roe          | Canadian Forest Service, NRCan  |
| 3:25PM                    | Zhimo Fang         | Identifying sites for the development of a chronosequence of fuel development in response to Jack pine budworm defoliation                                      | Patrick James             | Stephen Mayor       | Ontario Ministry of Natural Resources and Forestry  |
| 3:50PM                    | Dean Rosen         | Analysis of staff retention and recruitment in Ontario's Wildfire Management System: current trends and implications for the future                             | David Martell             | Randy Crampton      | Ontario Ministry of Natural Resources and Forestry  |

| Wednesday, December 9, 2020 |                  |  |                           |                     |   |
|-----------------------------|------------------|--|---------------------------|---------------------|---|
| 10:00AM                     | Gary Taylor      | Supporting corporate engagement in forest stewardship on public ravine land in Toronto, Ontario  | Sandy Smith               | Murray Fulmer       | Sanofi Pasteur                              |
| 10:25AM                     | Janele Tetreault | Evaluating Toronto's private tree by-law efficiency in reaching the city's urban forestry goals  | Sally Krigstin            | Tenley Conway       | Geography & Planning, University of Toronto |
| 10:50AM                     | Amal Siddiqui    | Assessing the connectivity of natural systems in the Greater Golden Horseshoe: an application of the effective mesh size   | Danijela Puric-Mladenovic | Jacqueline Hamilton | Greenbelt Foundation                        |
| 11:15AM                     | Anna Ketchum     | Identifying land acquisition strategies for Simcoe County forests: a review of land securement strategies in Ontario   | Anne Koven                | Graeme Davis        | County of Simcoe                            |
| 11:40AM                     | Natalie Heybloom | Defining old growth: a critical review of the past, present and future management strategies based off the current forest condition in Catchacoma forest in southern Ontario | Sally Krigstin            | Svetlana Zeran      | Bancroft Minden Forest Company              |
| <b>LUNCH</b>                |                  |  |                           |                     |   |

| Time         | Student              | Title  | Internal Supervisor       | External Supervisor | External's Affiliation               |
|--------------|----------------------|--|---------------------------|---------------------|--------------------------------------|
| 1:00PM       | Heba Jarrar          | Assessing the forest structure and total basal area of the Medway Community Forest Coop through UAV-derived remote sensing imagery       | John Caspersen            | Mary Jane Rodger    | Medway Community Forest Coop         |
| 1:25PM       | Claire Leuty         | Evaluating forest soil indicators for Credit Valley Conservation Authority's Integrated Watershed Monitoring Program                     | Ben Kuttner               | Kelsey McNeil       | Credit Valley Conservation Authority |
| 1:50PM       | Madison Potsma       | Assessing the introduction and age of the <i>Acer platanoides</i> (Norway maple) invasion within Wilket Creek ravine in Toronto, Ontario | Danijela Puric-Mladenovic | Katherine Baird     | University of Toronto                |
| 2:15PM       | Birasaath Selvakumar | Invasive species encroach as shaped by changes in land use over time within UTSC's forested property                                     | Danijela Puric-Mladenovic | Colin Huebert       | City of Toronto, Urban Forestry      |
| <b>BREAK</b> |                      |  |                           |                     |                                      |
| 3:00PM       | Annabella Aoshana    | Invasive plant species management plan for restoring urban forests in southern Ontario   | Sandy Smith               | Erin MacDonald      | LEAF                                 |
| 3:25PM       | Sarah Green          | The Miyawaki 'Microforest' Method in downtown Toronto: converting a parking lot to a forest park   | Sandy Smith               | Kira Appelhans      | wHY                                  |
| 3:50PM       | Noah Wolfe           | Rees Ridge Project: promoting biodiversity in the heart of downtown  | John Caspersen            | Kira Appelhans      | wHY                                  |

| Thursday, December 10, 2020 |                   |   |                           |               |  |
|-----------------------------|-------------------|---|---------------------------|---------------|--|
| 10:00AM                     | Mehria Waqar      | Influence of socioeconomic factors on the relationship between forest conservation bylaws and percentage forest cover in Ontario municipalities | Jay Malcolm               | Dave Payne    | Ontario Professional Foresters Association |
| 10:25AM                     | Sriram Rajeshwari | Planting priority for forest restoration in Ottawa East   | Danijela Puric-Mladenovic | Andy Kenney   | University of Toronto                      |
| 10:50AM                     | Alexandra Farkas  | Modelling the co-benefits urban forest ecosystem services provide on a watershed scale: a critical analysis                                     | Sandy Smith               | Tracy Timmins | Toronto and Region Conservation Authority  |
| 11:15AM                     | Ayumi Akimoto     | Street tree surveys using Google Street View: a pilot study on street tree mortality rates in Toronto   | Sean Thomas               | Amory Ngan    | City of Toronto, Urban Forestry            |
| 11:40AM                     | Richard Ormrod    | Building a hardwood/softwood tree classifier using lidar and Guelph's urban trees   | Ben Kuttner               | Arnold Rudy   | KBM Resources Group                        |
| <b>LUNCH</b>                |                   |   |                           |               |  |
| 1:00PM                      | Colin Smith       | Litterfall dynamics following nitrogen fertilization in Douglas-fir   | Sean Thomas               | Tony Trofymow | Canadian Forest Service, NRCan             |