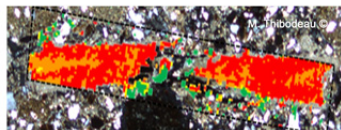


## 8<sup>th</sup> Developing International Geoarchaeology Conference

Simon Fraser University, Canada  
June 17<sup>th</sup> - 21<sup>st</sup>, 2019



### Programme

**June 17<sup>th</sup>, 2019** - *"The Study" Pub and Restaurant, SFU Burnaby Campus*

4.30-6.30 Welcome Reception

**June 18<sup>th</sup>, 2019** - *Room 10011, Blusson Hall, SFU Burnaby Campus*

9.00-9.30 Registration

9.30-9.45 [Francesco Berna](#) and [George Nicholas](#) (Simon Fraser University)  
*Welcome Note*

9.45-10.15 [Charly French](#) (University of Cambridge) - **Keynote Address**  
*Chronicle resilience of valley systems in semi-arid landscapes of southern Peru and East Africa*

#### LANDSCAPE GEOARCHAEOLOGY I (Chair: Francesco Berna)

10.15-10.45 [Joanna Walker](#) (University of Cambridge)  
*Buried Indus Landscapes: Using Geoarchaeology to assess Human-Environment Interactions in northwest India*

10.45-11.00 Coffee Break

11.00-11.30 [Ailidh Hathway](#) (Simon Fraser University)  
*A Microsedimentological Approach to Wetland Reconstruction: A Preliminary Case Study of Wonderwerk Cave, South Africa.*

11.30-12.00 [Michael C. Wilson](#) (Douglas College)  
*Late Pleistocene to Early Holocene Trends in Landscape Stability: Geoarchaeological Findings from British Columbia and Alberta, Western Canada*

12.00-12.30 [Hasan Ahmadi-Karvigh](#) (University of Teheran)  
*Zoroaster's time based on new geoarchaeological findings in Seistan*

12.30-1.30 Lunch Break

#### LANDSCAPE GEOARCHAEOLOGY II (Chair: Brandi MacDonald)

1.30-2.00 [Shari Maria Silverman](#) (Washington State Parks and Recreation Commission)  
*Landform Study to Understand its Sites: West Beach Barrier Berm, Whidbey Island, Washington state, United States (Puget Sound)*

2.00-2.30 [Christopher Carey](#) (University of Brighton)  
*A geoarchaeological analysis of a Bronze Age roundhouse and reave system on Dartmoor, UK*

2.30-3.00 [Beatrice Fletcher](#) (McMaster University)  
*Systematic Investigation of Anthropogenic Chemical Signatures at a 17th Century Huron-Wendat Village*

- [Museum of Archaeology and Ethnology](#), SFU Burnaby Campus

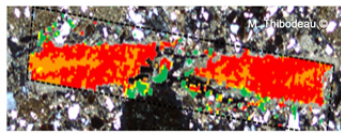
3.00-3.15 Coffee Break

3.15-4.15 Poster Session

4.30-5.30 Tour of The Department of Archaeology

- [Nuba in Gastown](#) Lebanese Restaurant, 207 W Hastings St, Vancouver (Transfer from SFU by Bus 95)

6.45-9.00 **Conference Dinner**



## Programme

June 19<sup>th</sup>, 2019 - Room 10011, Blusson Hall, SFU Burnaby Campus

### GEOARCHAEOLOGY AND RAW MATERIALS SOURCING (Chair: Rudy Reimer)

- 9.00-9.30 [Brandi MacDonald](#) (Archaeometry Laboratory at MURR)  
*Geoarchaeological and Geochemical Approaches to Obsidian Source Distribution in Northwestern Patagonia*
- 9.30-10.00 [Aviad Agam](#) (Tel-Aviv University)  
*Identifying Geologic origins of Flint at Acheulo-Yabrudian Qesem Cave, Israel: Results of an integrated study*
- 10.00-10.30 [Cornel Pop](#) (Max Planck Institute for Evolutionary Anthropology)  
*Evaluating landscape knowledge and lithic resource selection at the French Middle Palaeolithic site of Bau de l'Aubesies*
- 10.30-10.45 Coffee Break
- 10.45-11.15 [Peter Mears](#) (University of New Brunswick - Saint John)  
*Weight versus the number of pieces: Do our interpretations of raw material use vary depending upon how we quantify use? A case study from the Middle Palaeolithic in the Vaucluse, southern France.*

### GEOARCHAEOLOGY AND CHRONOMETRIC DATING (Chair: Charly French)

- 11.15-11.45 [Krista Gilliland](#) (Western Heritage)  
*Illuminated from the Ground Up: An evaluation of luminescence dating methods for building a cultural chronology in Canada's north*
- 11.45-12.15 [Jayde Hirniak](#) (Arizona State University)  
*Discovery of cryptotephra at Middle-Upper Paleolithic sites Arma Veirana and Riparo Bombrini, Italy: A new link for broader geographic correlations*
- 12.15-1.30 Lunch Break

### GEOARCHAEOLOGY OF PREHISTORIC FIRE (Chair: Charly French)

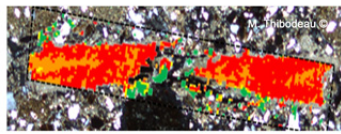
- 1.30-2.00 [Ximena Villagran](#) (Universidade de São Paulo) - **Invited Presentation**  
*On the evidence of hearths at Serra da Capivara (Brazil), the oldest human settlements in South America*
- 2.00-2.30 [Magnus Haaland](#) (University of Bergen)  
*What's in that black layer? A report on a 85,000 year old dark sedimentary feature in Blombos Cave, South Africa.*
- 2.30-3.00 [Candice Koopowitz](#) (Simon Fraser University)  
*Evaluating the infrared 630cm<sup>-1</sup> O-H libration band in bone mineral as evidence of burning: an application to the Oldowan Fauna of Wonderwerk Cave*
- 3.00-3.15 Coffee break

### GEOARCHAEOLOGY AND MATERIAL CULTURE (Chair: Lucy Wilson)

- 3.15-3.45 [Matthea Wiebe](#) (Simon Fraser University)  
*Experimental strike-a-light fire-starting and its use as a starting point for identification of pyrogenic microdebitage in the archaeological record*
- 3.45-4.15 [Géraldine Fiers](#) (Ghent University)  
*Experimental alteration of flint used on prehistoric sites in NW Belgium*
- 4.15-4.45 [Éva Halbrucker](#) (Ghent University)  
*The impact of post depositional alterations on the preservation of microwear traces.*
- 4.45-5.15 [Hannah Herrick](#) (Simon Fraser University)  
*Best practices for analyzing archaeological lime production*

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### Programme

**June 20<sup>th</sup>, 2019** - Room **10011**, Blusson Hall, SFU Burnaby Campus

#### GEOARCHAEOLOGY FROM AND FOR THE INDIGENOUS PEOPLE OF B.C. (Chair: Ximena Villagran)

- 9.00-9.30 [Rudy Reimer Yumks](#) (Simon Fraser University)  
*Sourcing pre-contact lithic materials in British Columbia: integrating traditional knowledge and geochemistry.*
- 9.30-10.00 [Farid Rahemtulla](#) (University of Northern British Columbia)  
*Smokehouse Island: an indigenous terra formed island on the Babine River, North Central British Columbia*
- 10.00-10.30 [Morgan Ritchie](#) (Sts'ailes & University of British Columbia)  
*Multi-scalar geoarchaeology study of Settlement of Riverine Islands and the formation of the Harrison-Chehalis Confluence, SW, British Columbia.*
- 10.30-10.45 Coffee break
- 10.45-11.15 [Francesco Berna](#) (Simon Fraser University)  
*Microstratigraphic study of combustion features from short-lived intermittent occupation at a 1300-year-old Coast Salish rock shelter, British Columbia*
- 11.15-11.45 [Andrew Latimer](#) (Simon Fraser University)  
*How Skwxwú7mesh Transformer Sites Convey and Encode Cultural and Geological Knowledge*
- 11.45-12.15 [Lucy Wilson](#) and [Brandi MacDonald](#)  
*Prizegiving*
- 12.15-12.30 [Organizing Committee Members](#)  
*Concluding Remarks*
- 12.30-1.30 Lunch break

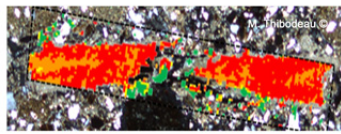
- Room **TASC2 7530**, TASC-2 Building, SFU Burnaby Campus

- 1.30-4.30 Soil Micromorphology Workshop

#### **June 21<sup>st</sup>, 2019 Field Trip** led by [Rudy Reimer Yumks](#)

"Geological features and the epic battle between a Squamish Nation warrior and a two-headed serpent"

- 9.00 Depart from SFU Burnaby Campus
- 10.15-10.30 Arrival and Visit Squamish Downtown
- 10.30-11.00 Transfer to Squamish Chief Parking Lot
- 11.00-11.30 Squamish Chief
- 11.30-11.45 Transfer to Murrin Park
- 11.45-12.30 Murrin Park
- 12.30-1.00 Transfer to Porteau Cove
- 1.00-2.00 Porteau Cove (Picnic Lunch)
- 2.00-2.30 Transfer to Whyte Cliff Park
- 2.30-3.15 Whyte Cliff Park
- 3.30 Drop Off at Lonsdale Quay - Public Transit Sea-Bus to Downtown Vancouver
- 4.00 Return to SFU Burnaby Campus



## Programme

# Poster Presentations

[Museum of Archaeology and Ethnology](#), SFU Burnaby Campus

Tuesday to Thursday 10am-12pm 1-4pm

[Ales Bajer](#) and [Lenka Lisá](#) (Mendel University in Brno)

*“Archaeological Dark Earth as a marker of past landscape cultivation; case study from Moravia, Czech Republic”*

[Megan Thibodeau](#) and [Francesco Berna](#) (Simon Fraser University)

*“Wood ash in the Oldowan layers of Wonderwerk cave, South Africa”*

[Emma Betz](#) (University of Oxford) and [Matthew McCarty](#) (University of British Columbia)

*“Stylistic and Scientific Analysis of a Fortuna Statuette”*

[Valentina Caruso](#) (University of Milan, Italy) et al.

*“Microstructural and chemical degradation of archaeological and modern human bones: a new application of synchrotron radiation  $\mu$ CT and FT-IR spectroscopy”*

[Emma Lowther](#) (Simon Fraser University) et al.

*“Micro-stratigraphy of an anthropogenic island, Lake Babine, British Columbia”*

[Emily Purcell](#) (Simon Fraser University) et al.

*“Using biogenic Silica Microremains to understand Anthropogenic Deposits in Sts’ailes Territory, BC”*

[Nicholas Riddick](#) (McMaster University) et al.

*“Multi-proxy paleoenvironmental record of coastal uplift and abandonment (6th c. CE) of Lechaion’s inner harbour, Corinth (Greece)”*

[Iriní Sifogeorgaki](#) and [Gerrit Dusseldorp](#) (Leiden University)

*“Stratigraphic assessment of Umhlatuzana Rock Shelter, KwaZulu-Natal, South Africa”*

[Earl Stefanyshe](#) and [Francesco Berna](#) (Simon Fraser University)

*“Microstratigraphic protocol to assess the wildfire impact to buried archaeological sites”*

[Lucy Wilson](#) (University of New Brunswick – Saint John)

*“Geochemical Characterisation of Flint from the Vaucluse, Southern France”*