

# PROGRAM

of the 11th Mountain Cartography Workshop, May 21-25, 2018, Hvar, Croatia

	Monday, May 21	Tuesday, May 22	Wednesday, May 23	Thursday, May 24	Friday, May 25
7:00		7:00 – <u>Breakfast</u>	7:00 – <u>Breakfast</u>	7:00 – <u>Breakfast</u>	7:00 – <u>Breakfast</u>
8:00				7:30 – 9:00 <u>Bus transfer to Sv. Nedjelja</u>	
9:00		<b>9:00-11:00</b> <b>Session 1</b> Theme: <i>Mapping Mountains</i> Moderator: <i>Dražen Tutić</i>	<b>9:00-11:00</b> <b>Session 5</b> Theme: <i>Relief Presentation</i> Moderator: <i>Brooke Marston</i>	9:00 – 12:00 <u>Walk to Hvar Observatory with presentation and walk back to hotel</u>	Wrap up & Closing, Next workshop, etc.
10:00				9:00 – 12:00 <u>Hiking to Sv. Nikola</u>	
11:00		11:00 – 11:30 Coffee break	11:00 – 11:30 Coffee break		
		<b>11:30-12:50</b> <b>Session 2</b> Theme: <i>Automation</i> Moderator: <i>Karel Kriz</i>	<b>11:30-12:50</b> <b>Session 6</b> Theme: <i>Glaciers</i> Moderator: <i>Matjaž Štanfel</i>	Refreshment (lunch packages provided)	10:00 – <u>Programme offered by local organizing team (optional)</u>
12:00				12:00 – 13:30 <u>Hiking to Dubovica</u>	1. Hiking from Velo Grablje to Hvar along beach (with swimming)
13:00		13:00 – 14:00 Lunch	13:00 – 14:00 Lunch	13:30 – 14:00 <u>Bus transfer to hotel</u>	2. Beach Lučišća (swimming)
14:00			<b>14:00-14:40</b> <b>Commission Meeting</b>		3. Wine tasting (Vrboska)
15:00		<b>14:10-15:30</b> <b>Session 3</b> Theme: <i>Recreation</i> Moderator: <i>Benedikt Hajek</i>	<b>14:40-15:30</b> <b>Session 7</b> Theme: <i>Mountain Safety</i> Moderator: <i>Manfred Buchroithner</i>	15:00 – 18:00 <u>Boat trip around Pakleni otoci</u>	

	Monday, May 21	Tuesday, May 22	Wednesday, May 23	Thursday, May 24	Friday, May 25
		15:30 – 16:00 Coffee break	15:30 – 15:50 Coffee break	15:00 – 18:00 <u>Boat trip</u> around Pakleni otoci	
16:00	16:00 – 18:00 Registration	<b>16:00-17:00</b> <b>Session 4</b> Theme: <i>Caves, Volcanoes, Islands, and Oceans</i> Moderator: <i>Roger Smith</i>	<b>15:50-17:10</b> <b>Session 8</b> Theme: <i>Education</i> Moderator: <i>Roger Wheate</i>		
17:00			17:10 – 17:30 Coffee break		
18:00		<u>Walk to Španjola fortress</u> (optional)	<b>17:30-18:50</b> <b>Session 9</b> Theme: <i>Visualization</i> Moderator: <i>Patrick Kennelly</i>		
	18:30 – 19:30 Guided walking tour of the historic city of Hvar	<u>Dinner in town</u> (optional)	<u>Dinner in town</u> (optional)		
19:00				19:00 – Gala dinner at Hotel Amfora	
20:00	20:00 – Welcome reception with dinner at Hotel Pharos				
21:00		<b>21:00-22:00</b> <b>Mountain trivia</b> (Tom Patterson)			
22:00					

**Session 1: Tuesday 9:00 – 11:00** Theme: Mapping Mountains, Moderator: Dražen Tutić

9:00 – 9:20 **Welcome and Info from Organizers** (20 min)

9:20 – 10:00 **Mount Everest: What is left to Map?** Alex Tait (keynote, 40 min)

10:00 – 10:20 **Mountain Maps within the New Edition 2017 of the “Swiss World Atlas” – Concept, Content, and Added Value** Christian Haerberling (20 min)

10:20 – 10:40 **Mapping the mountain: The mapping of Mount Ruapehu** Geoff Aitken (20 min)

10:40 – 11:00 **Denali and the Alaska Range: Mapping North America’s Highest Peak** Brooke E. Marston (20 min)

---

**Session 2: Tuesday 11:30 – 12:50** Theme: Automation, Moderator: Karel Kriz

11:30 – 11:50 **Topographic Maps based on OpenStreetMap Data – Optimising Depiction of Water Streams** Benedikt Hajek (20 min)

11:50 – 12:10 **Delineation of Croatian Mountains for the Purpose of Name Placement on Maps** Tomislav Jogun (20 min)

12:10 – 12:30 **Automated generation of additional contours to enhance contoured relief representation** Timofey Samsonov (20 min)

12:30 – 12:50 **NSDI Datasets Supporting the Development of Mountain Areas** Vesna Poslončec-Petrić (20 min)

---

**Session 3: Tuesday 14:10 – 15:30** Theme: Recreation, Moderator: Benedikt Hajek

14:10 – 14:30 **Finding potentially suitable orienteering terrains in Croatia and Slovenia** Dražen Tutić (20 min)

14:30 – 14:50 **An Alpenvereinskarte for Canada: the Backcountry Ski Guide’s Map for the Burnie Glacier Chalet, British Columbia** Morgan Hite (20 min)

14:50 – 15:10 **Geodetic Hiking Portal** Jurica Jagetić (20 min)

15:10 – 15:30 **Web GIS of mountain lodges and homes in Croatia with control points of Croatian Mountaineering tour** Ivan Pašić (20 min)

---

**Session 4: Tuesday 16:00 – 17:00** Theme: Caves, Volcanoes, Islands, and Oceans, Moderator: Roger Smith

16:00 – 16:20 **Areal Surveying of the Ice Thickness of the World’s Biggest Ice Cave** Manfred F. Buchroithner (20 min)

16:20 – 16:40 **Volcanoes and Mountains in the Deep Ocean – The Challenge of Scientific Visualisation of Bathymetric Data** Nico Augustin (20 min)

16:40 – 16:50 **National Park Service Lands, Santa Cruz Island, California** Jeff Howarth (poster presentation, 10 min)

16:50 – 17:00 **History and Map of the Northeast Canyons and Seamounts Marine National Monument** Lea LeGardeur (poster presentation, 10 min)

---

**Session 5: Wednesday 9:00 – 11:00** Theme: Relief Presentation, Moderator: Brooke Marston

9:00 – 9:40 **Designing 3D Terrain Maps** Tom Patterson (keynote, 40 min)

9:40 – 10:00 **Comparison of the Triglav model at the Bohinj lake with the actual mountain shape** Dušan Petrovič (20 min)

10:00 – 10:20 **Using Normal Offsets to Smooth Terrain Models** Patrick Kennelly (20 min)

10:20 – 10:40 **The Art and Science of Creating a Shaded Relief Globe** Michael J.Fisher (20 min)

10:40 – 11:00 **Mapping New Zealand's Alpine Fault** Roger Smith (20 min)

---

**Session 6: Wednesday 11:30 – 13:00** Theme: Glaciers, Moderator: Matjaž Štanfel

11:30 – 11:50 **LiDAR and satellite images for mapping glacier retreat** Roger Wheate (20 min)

11:50 – 12:10 **Panta rhei: Movement change of Tschadinhorn rock glacier (Hohe Tauern Range, Austria) for the time period 1954-2017** Viktor Kaufmann (20 min)

12:10 – 12:30 **Monitoring glacier retreat and forefield sedimentation in the Swiss Alps using UAV photogrammetry** Ivan Pašić (20 min)

12:30 – 12:50 **Mapping the mountains and glaciers of South Georgia** Laura Gerrish (20 min)

---

**Session 7: Wednesday 14:40 – 15:30** Theme: Mountain Safety, Moderator: Manfred Buchroithner

14:40 – 15:00 **Topographic Maps and Weather Information for Avalanche Prevention in Remote Mountainous Areas Utilizing a Collaborative Approach** Lukas Neugebauer (20 min)

15:00 – 15:30 **Croatian Mountain Rescue Service** Diego Košta and Dragan Tasić (30 min)

---

**Session 8: Wednesday 15:50 – 17:10** Theme: Education, Moderator: Roger Wheate

15:50 – 16:10 **Practical strategies for active learning and design thinking in mountain cartography education** Jeff Howarth

16:10 – 16:30 **E – Logs of HPO, HPK and GPO hiking tours** Zvonimir Nevistić (20 min)

16:30 – 16:50 **Possibilities of mapping and spatial analysis of hilly and mountainous areas of the island of Hvar through elective high school teaching** Antonio Morić-Španić (20 min)

16:50 – 17:10 **Joint Course of Mapping in Mountainous Area: Physical and topographic mapping** Maša Arnež (20 min)

---

**Session 9: Wednesday 17:30 – 18:50** Theme: Visualization, Moderator: Patrick Kennelly

17:30 – 17:50 **Augmented reality display of a mountainous region** Klemen Kozmus Trajkovski (20 min)

17:50 – 18:10 **The map of the Upper Mara Valley- a storytelling map** Ilies Gabriela (20 min)

18:10 – 18:30 **Interactive storytelling on physical 3D models** Bjørn Sandvik (20 min)

18:30 – 18:50 **Traveler's map of Krka National Park** Vlatko Roland (20 min)

---