

Please note this schedule is provisional and is subject to change.

ISSW 2008 Presentation Schedule

Monday, September 22nd 2008

8:00 **Opening remarks** Brian Gould and Helene Steiner

8:15 **Fracture mechanics and avalanche dynamics session introduction**

8:20 Field study on fracture propagation in weak snowpack layers. Alec van Herwijnen

8:40 Anticracks: a new theory of fracture initiation and fracture propagation in snow. Joachim Heierli

9:00 Validation of the propagation saw test near whumpfs and avalanches. Dave Gauthier

9:20 Slab fracture at 1900 frames per second - experimental methods. Chris Borstad

9:40 Avalanche fracture mechanics results for practitioners. David McClung

10:00 Extended column test results during surface warming: does surface warming affect fracture propagation potential? Ron Simenhois

10:20 - 10:45 BREAK

10:45 **Rescue session and transceiver technology panel session introduction**

10:50 Specialized multiple burial techniques: Reality versus myth. The European perspective. Dieter Stopper

11:00 A systematic approach to optimize avalanche beacon design for minimum search time. Rolf Matzner

11:10 New definition of the USEFUL RANGE using a reliable accurate and reproducible test procedure with practical relevance - Running a field test tracked by a DGPS. Markus Eck

11:20 Digging deeper: uncovering the real issues in North American multiple burials. Bruce Edgerly

11:30 **Panel discussion open to the floor**

12:10 - 13:40 LUNCH

13:40 Remote reverse triage in avalanche rescue. Manuel Genswein

14:00 Avalanche survival strategies for different parts of a flowing avalanche. Theo Meiners

14:20 Time to change rescue attitudes for a new generation. Dale Atkins

14:40 Weather session introduction

14:45 Westerly wind bursts affect avalanche cycles. Melinda Brugman

15:05 Atmospheric patterns leading to major avalanche episodes in the Eastern Pyrenees and estimating occurrence. Carles Garca Sells

15:25 **Poster session introduction**

15:30 - 16:25 POSTER SESSION

16:25 **Instrumentation session introduction**

16:30 Helicopter based microwave radar measurements in alpine terrain. Hans-Peter Marshall

16:50 Next level for snow pack monitoring in real-time using ground-penetrating radar (GPR) technology. Achim Heilig

17:10 The avalanche dummy. Development and testing of a system to measure loads and forces experienced by an avalanche victim, using an automotive crash test dummy. Robb Larson