

Séminaire CEN - 3SR

Vendredi 14 novembre 2014 - 15h00, salle K118 du LEGI

Bridging laboratory snow to real snow: state and challenges

Martin Schneebeli

WSL/SLF, Davos

The past about 10 years in snow research were the begin of 3D-imaging combined with controlled laboratory experiments. These experiments lead to a much deeper understanding of snow metamorphism. The combination of 3D-imaging with numerical simulation also helped to narrow down the range of uncertainty in physical properties. However, snow properties are often required (as snow is usually not an engineered material) at scales ranging from meters to kilometers. The rather traditional field of "field snow measurement" was also shaken up in the past years by a number of new technologies. I will illustrate achievements and future challenges we face.