



University of Zagreb  
Faculty of Textile Technology (TTF), AMCA TTF  
and Textile Science and Research Center (TSRC)

invite you to a

# SCIENTIFIC LECTURE

## Evaporative Cooling of Wet Fabrics

by

**prof. Uwe Reischl, Ph.D., M.D.**  
**Boise State University, U.S.A.**

on **Monday, 9<sup>th</sup> October 2017** at **11:00** at lecture hall **B-316**  
Prilaz baruna Filipovića 28a, Zagreb

### Abstract:

The basic functions of clothing are to promote comfort, enhance personal appearance and to protect against environmental hazards. Sweat evaporation plays an important role in creating clothing comfort. The presentation will describe some interesting experiments that were conducted to evaluate cooling characteristics of fabrics saturated with water (sweat). Observations of water in space (zero gravity) will be used to explain the physics of cooling at the microscopic level.

### Biography:



Uwe Reischl is a senior professor at Boise State University in the U.S.A. His academic training is in Public Health and Occupational Medicine. His current research interests are in the areas of ergonomics, clothing heat stress and protective clothing development. Professor Reischl is engaged in international research collaborations in Asia, Africa, South America and Europe.