

Tuesday, Apr 26th (AM)	
8:50	Welcome Breakfast and registration
	INTRODUCTION
9:00	Background and Introduction to the 2nd LUM2016 workshop - Matthias Militzer (The University of British Columbia, Canada)
	SESSION 1: Grain size measurements (Chair : Damien Fabregue)
9:10	In-situ Laser Ultrasonic grain size measurement in superalloy Inconel 718 - Thomas Garcin (The University of British Columbia, Canada)
9:40	Continuous measurements of recrystallization and grain growth in cobalt super alloys - Mahsa Keyvani (The University of British Columbia, Canada)
10:10	Laser ultrasonics austenite grain size measurement in in line pipe steels - Isaac Robinson (The University of British Columbia, Canada)
10:40	Break
	SESSION 2: Recrystallization and Phase transformation (Chair : Matthias Militzer)
11:00	Laser ultrasonics for process control in the metal industry - INVITED SPEAKER Peter Lundin (Swerea KIMAB, sweden)
12:00	In-situ laser ultrasonic measurement of the hcp to bcc transformation in commercially pure titanium, Alyssa Shinbine (The University of British Columbia, Canada)
12:30	Evaluation of ferrite recrystallization and austenite formation in Dual Phase steel - Thomas Garcin (The University of British Columbia, Canada)
13:00	Lunch

Tuesday, Apr 26th (PM)	
	SESSION 3: Technical equipments (Chair: Warren Poole)
14:00	New development at Gleeble System - Brian Allen (Dynamic System Inc., US)
14:30	Good practice guidelines for laser-ultrasonics -Marc Choquet, Tecnar Automation Ltee, Canada
15:30	Break
	SESSION 4 : Visit and demonstration
15:45	Processing of ultrasound data - Thomas Garcin, The University of British Columbia, Canada.
16:15	Lab visit and futher discussion
17:45	Dinner at the restaurant La Provence (Meeting point at the workshop venue)

Wednesday, Apr 27th (AM)	
9:00	Breakfast
	SESSION 5: Modeling and Simulation (Chair : Chad Sinclair)
9:15	Ultrasonic wave propagation in polycrystalline media: Modeling, Computations, and Experiments, - INVITED SPEAKER Joseph A. Turner (University of Nebraska-Lincoln, Lincoln, US)
10:15	Modelling ultrasonic attenuation due to scattering in complex microstructures - Dan Neumann (University of Birmingham, UK)
10:45	Break
11:00	Finite element modeling of ultrasound wave propagation in polycrystalline cubic material- Thomas Garcin (The University of British Columbia, Canada)
12:00	Further discussions on modeling and simulation strategy
12:30	Lunch
Wednesday, Apr 27th (AM)	
	SESSION 6: Application to industrial rolling processes (Chair: Peter Lundin)
13:30	Laser Ultrasonic technique combined with metallurgical model to monitor steel microstructure during hot rolling, Nicolas Legrand (ArcelorMittal Global R&D, France)
14:00	Prediction of grain size and texture in steel production by laser ultrasonic - Quan Yang (University of Science and Technology, Beijing, China)
14:30	Continuous measurements of recrystallization and grain growth following hot rolling in cobalt super alloys - Mahsa Keyvani (The University of British Columbia, Canada)
15:00	CONCLUSIONS and discussions (Chair : Matthias Militzer)