



# 5<sup>th</sup> WORKSHOP OF SOLAR-THERMAL ENERGY EXPLOITATION RESEARCH

**Date:** April 11<sup>th</sup>, 2022

**Venue:** Virtual - Google Meet

## PROGRAM

<b>Time</b>	<b>Title</b>	<b>Presenter</b>
09:00	Opening	Gherhardt
09:10	Test section and experimental apparatus design for infrared thermometry-based investigations	Maurício
09:25	Materials and processes for silicon photovoltaic cells applications	Diniz
09:40	Study of two-phase Lattice-Boltzmann method for large density ratio applied in phase change phenomena	Ivan
09:55	Flow boiling of R1336mzz(Z) in a copper microgap with microstructured surfaces and tapered manifold	Debora
10:10	Flow boiling of refrigerants for Organic Rankine Cycles: Experimental apparatus and conditions	Daniel
10:25	Estudo fundamental da mudança de fase a partir de instabilidades termodinâmicas no contexto do método de Lattice Boltzmann do pseudopotencial	Luiz Eduardo
10:40	Análises de padrões de escoamento com método óptico confocal	Fernando
10:55	BREAK	
11:05	Integrated platform for heat sink evaluation	Valter
11:20	Controle da condutância térmica de tubos de calor pulsantes	Cristiano
11:35	Um procedimento de convergência em malha para simulações de Lattice-Boltzmann e o método do pseudopotencial	Alfredo
11:50	Optical velocimetry techniques for experimental diagnostics	Douglas
12:05	Thermodynamic property library for ammonia-water mixtures	Beethoven
12:20	Liquid-film thickness measurements of annular flow of R600a	Victor
12:35	LUNCH	
14:00	Round-table	-
15:30	Budget balance	Gherhardt
16:00	Closing	Gherhardt