Carl Zeiss Stiftung

HONORARY GUEST LECTURE

A lecture series offered by the Jena Alliance "Life in Focus"

FSU Guest Professor

PROF. OLIVER L.A. MONTI

The University of Arizona

Prof. Dr. Oliver L.A. Monti is professor of Chemistry and Biochemistry and professor of Physics at The University of Arizona in Tucson, Arizona, USA. He received his undergraduate degree in Chemistry (with emphasis in Physics) from the Eidgenössische Technische Hochschule (ETH) in Zürich, Switzerland, before moving to the University of Oxford for his PhD. After a research stay at JILA in Boulder, Colorado, USA, he accepted a faculty position at The University of Arizona in 2004, where he has since risen through the ranks. He currently holds the Homer C. and Emily Davis Weed Endowed Chair in Chemistry and is Associate Department Head. His research interests cover electronic structure and ultrafast dynamics of organic semiconductor interfaces, quantum materials and single molecule electronics. In his personal time he races bicycles, loves hiking with his family and rough-housing with his dog Zepto.

FRIEDRICH-SCHILLER-UNIVERSITÄT JENA

ALLIANCE Life in Focus

TREE-HUGGING MADE REAL: WHAT DOES A GREEN ENERGY TRANSITION REALLY LOOK LIKE? (PROF. OLIVER L.A. MONTI)

Tuesday, May 30, 2 pm
Großer Rosensaal, Fürstengraben 27, 07743 Jena
Zoom-Meeting-ID: 665 9798 6554, Kenncode: 406245

Given the realities of climate change and its perhaps even faster than anticipated progress, there is an urgent need to roll out and scale up renewable energy production on a massive and global scale. The public discourse has focused on specific solutions, often influenced by the local political and sociological circumstances. In this talk I will provide a simple yet generalizable approach on how to assess both energy usage and best possible impact of clean energy technologies to help shape the discourse. The approach I present is physics-based, can be adapted to emerging technological breakthroughs and is sufficiently straightforward that it may be useful in helping the body politic with discussions on some of the hard choices ahead.

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