

# Fifth Annual NSF-PIRE-PDC Workshop in Conjunction with Graduate School TU-Darmstadt

Darmstädter Haus, Hirschegg, municipality of Mittelberg in Kleinwalsertal, Austria

July 31-August 07, 2022

## Full Program

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### IMPORTANT WORKSHOP PHONE NUMBERS: TEXT OR CALL

Darmstädter Haus	+43 5517 - 5217
Prof. Ralf Riedel	+49 170 5760 960
Prof. Gurpreet Singh	+1 720 891-9385
Mr. Sailesh Menon	+1 785 477 0605

## 1) Transportation options from Frankfurt and Munich International Airport to Darmstädter Haus

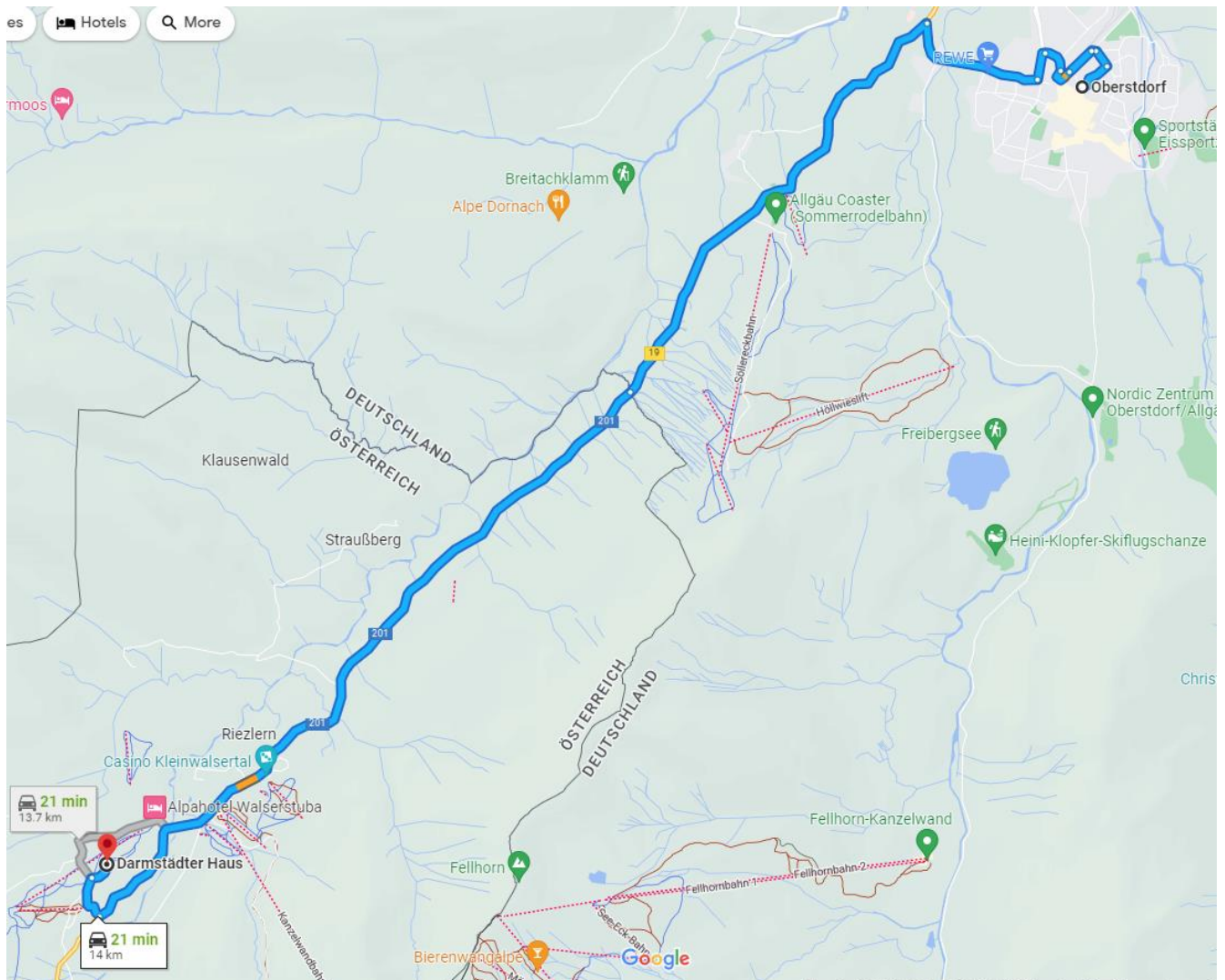
\*BY BUS OR TRAIN:

Oberstdorf, which is located 10 km away from Kleinwalsertal will be your final stop. Direct trains operate from Munich, whereas you may have to make 1-3 train changes while traveling from Frankfurt (depending on the time of the day).

The following train companies provide service to Oberstdorf from Munich and Frankfurt.

- 1) [Deutsche Bahn](#)
- 2) [SBB](#)
- 3) [ÖBB](#)

From there you can continue by taxi or bus. The taxi station is directly at the station. The Walserbus (terminal directly at the station) runs at high season in 10 or 20-minute intervals. Duration of the ride is approximately 30 minutes.



**\*BY CAR:**

From Germany- A7 to motorway junction Allgäu over the section of the A980 to the junction Waltenhofen and on the 4-lane highway 19 via Sonthofen and Oberstdorf to Kleinwalsertal.

Approximate travel times by car from-

Munich (MUC), 2 1/4 hours

Frankfurt (FRA), 4 1/4 hours

## 2) Local address

The local address to be used for rental cars, taxis, and GPS navigation is-

Darmstädter Haus

Oberseitestraße 38

87568 D or A-6992 Hirschegg / Kleinwalsertal

## 3) Check-in time and dates

Official check-in date to Darmstädter Haus is between 4-6 PM on Sunday, July 31. You may also check-in on Monday, August 1. Check-in time is between 4-6 PM. If you arrive before 4 PM, you are free to leave your luggage at Darmstädter Haus and explore the countryside. If you arrive after 6PM, you will still be able to check in to Darmstädter Haus, however, you may not be served dinner, as dinner is served at 6:30 PM every evening.

## 4) Breakfast, Lunch and Dinner

A breakfast buffet is provided on each day between the hours of 8 and 9 AM. A packed lunch (excluding drinks) can be prepared from the breakfast buffet. A hot dinner is served at 6:30 PM. Coffee and cocoa is available in the dining room throughout the day. For the evening of August 02, Prof. Ralf Riedel has organized a Bavarian dinner, along with live music.

## 5) Accommodation

All faculty will be lodged in rooms with two-beds in them. Undergraduate students are to share rooms with either two-beds or four-beds in each room. All graduate students will be lodged in rooms with either one-bed or two-beds in each room. We have tried to ensure that all U.S. attendees have rooms with bathroom facilities located within the room. For more information on the rooms, please click [HERE](#).

\*Disclaimer: Based on information from website- <https://www.kleinwalsertal.com/en/Current-and-Service/Service/Getting-to-Kleinwalsertal>

6) NSF-PIRE Workshop presenters: August 01-02, 2022

Monday, August 1, 2022

Berlin Time	Presenter	Title
2:00 PM	Gurpreet Singh	
2:30 PM	Ralf Riedel, Martin Heilmaier	
3:00 PM	Peter Kroll	
3:30 PM	<b>BREAK</b>	
3:50 PM	Alex Navrotsky (via Zoom)	PIRE, MotU, FORCE - a large happy family
4:20 PM	Akshada Hande (via Zoom)	Effect of RAP With H <sub>2</sub> on C <sub>free</sub> and Phase Composition of SiCN
4:40 PM	Sonjoy Dey (via Zoom)	TMD Reinforced Polymer-derived Ceramic Fibermats
5:00 PM	Shariq Haseen (via Zoom)	Developing the reactive force field ReaxFF for simulations of SiCN polymer-derived ceramics

Tuesday, August 2, 2022

Berlin Time	Presenter	Title
9:00 AM	Jonathan Kroll	
9:15 AM	Henry Price	
9:30 AM	Takhya Holley	
9:45 AM	Hildana Abamegal	The Optimization of the Polmer Infiltration Process (PIP)
10:00 AM	Khushi Pandey	
10:15 AM	<b>BREAK</b>	
10:30 AM	Spencer Dansereau	Investigation of Thin Layer PIP Infiltrations for Ceramic Composites
10:50 AM	Kendall Hendrix	Effect of Pyrolysis Heating Rate on Polymer-Derived SiOC Ceramics
11:10 AM	Aly Badran	Validation of Deep Learning segmentation of CT images of fiber-reinforced composites
11:30 AM	Shakir Bin Mujib (via Zoom)	
11:50 AM	Gerson Leonel (via Zoom)	Pyrolysis Behavior of SiOC Polymeric Precursors: DDTS and TPTS
12:10 PM	Joel Garcia (via Zoom)	Evolution of Surface Chemistry of SiC PDC With Increasing Temperature by in situ NAP-XPS

7) MATCOM-COMMat Workshop presenters: August 03-05, 2022

Wednesday, August 3, 2022

<b>Berlin Time</b>	<b>Presenter</b>
9:30 AM	Jan Bernauer, Laura Feldmann
10:00 AM	Nathalie Thor
10:20 AM	Samuel Kredel
10:40 AM	<b>BREAK</b>
11:00 AM	Mozhdeh Fathidoost
11:20 AM	Astrid Pundt

Thursday, August 4, 2022

<b>Berlin Time</b>	<b>Presenter</b>
9:30 AM	Werner Humbs, BJS Ceramics GmbH and BJS Composites GmbH (guest speaker)
10:00 AM	Nils-Christian Petry
10:20 AM	<b>BREAK</b>
10:40 AM	Frauke Hinrichs
11:00 AM	Katharina Beck
11:20 AM	Georg Winkens

Friday, August 5, 2022

<b>Berlin Time</b>	<b>Presenter</b>
9:30 AM	Andreas Czerny
9:50 AM	Yuhan Cai
10:10 AM	Hemanth Thota, Huichao Wu
10:40 AM	<b>BREAK</b>
11:00 AM	Beyza Öztürk
11:20 AM	Michael Kerbstedt
11:40 AM	Hans Seifert

8) Free days to explore Hirschegg on your own: August 06-07, 2022, 8:00 AM – 5:00 PM

For Saturday and Sunday, there is no fixed program. They can be used as seen fit for social activities and departure. Please depart by 11:00 AM on Sunday, August 07, 2022.

9) Zoom link for remote attendees

<https://ksu.zoom.us/j/96092016227?pwd=dmZCTjE4MStYQTBvaVFzYUp6MlBnZz09>

Meeting ID: 960 9201 6227

Passcode: 094450