



**Networking Workshop | 23<sup>rd</sup> – 24<sup>th</sup> June 2022 | Stuttgart**

*Trade Fair Center Stuttgart, International Congress Center, Conference Room C6.2,  
Messeplazza 1, 70629 Stuttgart, Germany*

**Thursday 23<sup>rd</sup> June | ICS C6.2**

**09:30 – 10:00 Coffee on Arrival**

<b>10:00 – 10:15</b>	Welcome and overview	Marwan Abdou Ahmed (USTUTT-IFSW)
<b>10:15 – 11:00</b>	Design Requirements of GWS For High-Power Lasers	Danish Bashir (USTUTT-IFSW)
<b>11:00 – 11:45</b>	Fabrication of wavelength stabilizing and multiplexing grating waveguide structures	Ratish Rao (LabHC)

**11:45 – 12:00 Coffee Break**

<b>12:00 – 12:45</b>	Nanoimprint lithography process for the fabrication of grating waveguide structures: Challenges and requirements	Giovanna Capraro (AMO)
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**12:45 – 13:45 Lunch Break & Coffee**

<b>13:45 – 14:30</b>	Nanoimprint technology for the fabrication of radial/azimuthal polarizing grating waveguide structures	Fangfang Li (UEF)
<b>14:30 – 15:15</b>	Monitoring methods for optical thin film filters	Janis Zideluns (IF)

**15:15 – 15:30 Coffee Break**

<b>15:30 – 16:15</b>	Pulsed Laser Deposition for the epitaxial growth of crystalline waveguides	Goby Govindassamy (ORC)
<b>16:15 – 17:00</b>	Scanning Beam Interference Lithography: Why, What and How	Anton Savchenko (USTUTT-ITO)
<b>17:00 – 17:05</b>	Closing note	Marwan Abdou Ahmed (USTUTT-IFSW)



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**09:30 – 10:00 Coffee on Arrival**

<b>10:00 – 10:15</b>	Welcome and overview	Marwan Abdou Ahmed (USTUTT-IFSW)
<b>10:15 – 11:00</b>	Nanofabrication of subwavelength structures in Sapphire	Georgia Mourkioti (ORC)
<b>11:00 – 11:45</b>	Sub-ps Laser Damage of Optical Coatings	Marek Stehlik (IF)

**11:45 – 12:00 Coffee Break**

<b>12:00 – 12:45</b>	Generation of fs pulses in the mid-IR through Soliton Self Frequency Shift	Adrian Grande (ALPHA)
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**12:45 – 13:45 Lunch Break & Coffee**

<b>13:45 – 14:30</b>	Towards highly-efficient CW fundamental-mode green thin disk laser	Ayoub Boubekraoui (USTUTT-IFSW)
<b>14:30 – 15:15</b>	High-power radially polarized Yb:Lu <sub>2</sub> O <sub>3</sub> thin-disk laser: from design to experimental demonstration	Denys Didychenko (USTUTT-IFSW)

**15:15 – 15:30 Coffee Break**

<b>15:30 – 16:15</b>	Picosecond and femtosecond all normal dispersion (ANDi) lasers	Muhammad Ghawas (UB-LOMA)
<b>16:15 – 17:00</b>	Wavelength Stabilization & Dense Wavelength Division Multiplexing of High Power Diode Lasers using VBG and GWS	Sayed Muhammad Baker (DILAS)
<b>17:00 – 17:05</b>	Closing note	Marwan Abdou Ahmed (USTUTT-IFSW)