

Vorlesung Inkohärente Lichtquellen

Lecture Incoherent Light Sources

Starting Date: March 20th (Int. Day of Happiness)

Date	Event	Room	Duration
Wed 2.15 pm	Seminar presentations (10 additional points for the exam)	D112	45 min
Wed 3.00 pm	Lecture and exercises	D112	135 min

Date	Topic	Student	Dpt.	Points
	Chemical light sources / Chemoluminescence			
10.04.2024	Ceramic converter materials for LEDs	Julia Hopster	CIW	10
17.04.2024	Organic LEDs and Polymer LEDs	Mehdi Moammadzadeh	ITB	
	Light sources for signalling			
24.04.2024	Architectural and Street lighting	Sepideh Esmaeilian	ITB	
08.05.2024	Horticulture Lighting and Vertical Urban Farming	Sven Reetz	CIW	
15.05.2024	(N)IR radiation sources	Anisha Mary Varghese	ITB	
12.06.2024	Solid state laser: Materials and application areas	Jisse Rose Thomas	ITB	
	Celestial light sources - Physics and spectra			
	High voltage halogen lamps			
15.06.2024	Laser based lighting and projection	Uzay Bora Yildirim	ITB	
22.05.2024	Medical light sources for diagnostics and therapy	Raphael Steinbach	CIW	
29.05.2024	Aircraft and airfield lighting	Avinash V. Nair	ITB	
	Micro LED displays			
29.05.2024	Automotive light sources	Diya Santhosh	ITB	
05.06.2024	Liquid Crystal Displays (LCDs) & Backlight Units (BLUs)	Lukas Harmeling	CIW	
05.06.2024	Quantum Dots - Physical basis and application areas	Esmir Hodzic	ITB	
05.06.2024	Light sources for photochemistry	Basir Ghorbannejad	ITB	
	Human Centric Lighting (HCL)			
	Atmospheric gas discharges			
12.06.2024	Free space optical communication	Matthias Hollmann	PHY	
	Light sources for advertisement und decorations purposes			
12.06.2024	Optical data transfer	Michael Klipan	ITB	
	Flicker of light sources and flicker index			
19.06.2024	EUV radiation sources for photolithography	Christoph Suuck	ITB	
	Retrofit LED Lamps			
12.06.2024	Advertisement lighting	Rishikesh Palanisamy	ITB	