

Seminar on Computational Laser Systems (Measurement Systems Seminar/BIOLAS), WS 2026/2027

Date: Tuesday, 4. DS., 13:00 – 14:30, BAR I88

Date	CW	Lecturer	Topic
13. Oct.	42	Jakob Dremel Dr. Lars Büttner	Introduction to Seminar & Presentation of Topics for Students
20. Oct.	43	Nick Schubert	Intelligent Mode Recovery in Multimode Fibers with Crosstalk Mitigation (<i>Studienarbeit defense, SJ</i>)
27. Oct.	44	Niklas Weise	Analysis of Cardiac Contraction Dynamics Using 3D Localization Microscopy (<i>DA intermediate report, RW</i>)
03. Nov.	45	Kevin Pham	Modeling and Optogenetic Closed-Loop Control of Excitation Propagation in Cardiomyocyte Networks (<i>Studienarbeit defense, RW</i>)
10. Nov.	46	t.b.d.	t.b.a.
17. Nov.	47	t.b.d.	t.b.a.
24. Nov.	48	t.b.d.	t.b.a.
01. Dec.	49	t.b.d.	t.b.a.
08. Dec.	50	t.b.d.	t.b.a.
15. Dec.	51	t.b.d.	t.b.a.
	52	– no show –	Christmas vacation
	53	– no show –	Christmas vacation
05. Jan.	1	t.b.d.	t.b.a.
12. Jan.	2	t.b.d.	t.b.a.
19. Jan.	3	t.b.d.	t.b.a.
26. Jan.	4	N.N.	student defenses (Oberseminar)
02. Feb.	5	N.N.	student defenses (Oberseminar)

The lectures have to be presented in English.

External lecturers are shown in bold, in green are checks and in red are changes. Attention: The seminar plan can be subject to short-term changes, see Internet. The slides should be written in English (save the slides in the intranet). Organization: Dr. L. Büttner, BAR 28, Tel. 463-35314

Structure of the talks: 1) Scientific Question; 2) State of the art / literature survey; 3) Problem / Hurdles; 4) Hypotheses / Methods / Advantages and Disadvantages; 5) Transfer to real-world applications / Requirement for implementation in applications; 6) Vision