

Internship 2021

Pôle Universitaire Léonard de Vinci



| Riga | Latvia | 2021

17. 05.	10:00-12:00	Introduction into the Internship, <i>Natalja Muracova, Head of the Unit</i>	Online- Zoom / MS Teams
	12:00-13:00	Lunch time	
	13:00-14:00	Latvian language and culture	
	14:00-15:00	Riga Sightseeing Tour	
18. 05.	10:00-10:20	Introduction into practical works and group projects	Online-Zoom (Lect., <i>T. Salgals</i>)
	10:20-12:00	Internet of Things - Smart City Trends and New Opportunities: <i>Fiber optical data transmission and sensor networks</i>	Online-Zoom (Lect., <i>J. Braunfelds</i>)
	12:00-13:00	Lunch time	-
	13:00-15:00	Internet of Things - Smart City Trends and New Opportunities: <i>Fiber optical data transmission and sensor networks</i>	Online-Zoom (Lect., <i>J. Braunfelds</i>)
19. 05.	10:00-12:00	Internet of Things - Smart City Trends and New Opportunities: <i>Modulation formats and techniques</i>	Online-Zoom/ (Asoc. Prof. <i>A.Supe /</i> Leading researcher <i>S.Matsenko</i>)
	12:00-13:00	Lunch time	-
	13:00 - 14:00 (Group-1) 14:10 - 15:10 (Group-2) 15:30 - 16:30 (Group-3) 16:40 - 17:40 (Group-4) 18:00 - 19:00 (Group-5)	Internet of Things - Smart City Trends and New Opportunities: <i>Design of Fiber optical networks – principles and further possibilities (practical work in simulation environment)</i>	Online - Zoom/AnyDesk (Lect., <i>R.Murnieks</i>)
	10:00-12:00	Internet of Things - Smart City Trends and New Opportunities: <i>Frequency Comb sources and their application in telecommunications</i>	Online-Zoom (Lect., <i>T.Salgals</i> and Prof., <i>J.Porins</i>)
20. 05.	12:00-13:00	Lunch time	-
	13:00 - 14:00 (Group-1) 14:10 - 15:10 (Group-2) 15:30 - 16:30 (Group-3) 16:40 - 17:40 (Group-4) 18:00 - 19:00 (Group-5)	Internet of Things - Smart City Trends and New Opportunities: <i>Design of Fiber optical networks – principles and further possibilities (practical work in simulation environment)</i>	Online - Zoom/AnyDesk (<i>A. Astrovskis</i>)
	10:00-12:00	High-Speed Data Center Interconnects: <i>High-speed components and modulation formats for world record transmission demonstrations</i>	Online-Zoom (<i>O.Ozolins</i>)
	12:00-13:00	Lunch time	-
21. 05.	13:00 - 15:00	High-Speed Data Telecommunication Networks: <i>Optical fiber amplifier types and their application in transmission systems (practical work in simulation environment)</i>	Online - Zoom (<i>K. Zakis</i> and Asoc. Prof. <i>A.Supe</i>)
	Free Days 22.05 – 23.05		
24. 05.	10:00-12:00	Industry expert of Latvia "AFFOC Solutions" <i>Expert of technology development and expertise in telecommunication sector</i>	Online-Zoom Invited Talk/ (<i>M.Parfjonovs</i>)
	12:00-13:00	Lunch time	-
	13:00 - 14:00 (Group-1) 14:10 - 15:10 (Group-2) 15:30 - 16:30 (Group-3) 16:40 - 17:40 (Group-4) 18:00 - 19:00 (Group-5)	High-Speed Data Telecommunication Networks: <i>Optical fiber amplifier types and their application in transmission systems (practical work in simulations environment)</i>	Online - Zoom/AnyDesk (<i>K. Zakis</i>)

25. 05.	10:00–12:00	High-Speed Data Telecommunication Networks: <i>Fiber optic transmission systems – Investigation of Optical Time Domain Reflectometry (OTDR) and power budget (Laboratory work - online live demonstration with discussions)</i>	Online - Zoom (Lect. <i>T.Salgals</i> and <i>A.Ostrovskis</i>)
	12:00–13:00	Lunch time	-
	13:00–16:00	High-Speed Data Telecommunication Networks: <i>Fiber optic transmission systems – Investigation of Optical Time Domain Reflectometry (OTDR) and power budget (Laboratory work - online live demonstration with discussions)</i>	Online - Zoom (Lect. <i>T.Salgals</i> and <i>A.Ostrovskis</i>)
26. 05.	10:00–12:00	High-Speed Data Telecommunication Networks: <i>Fiber optic transmission systems – Investigation of Optical Time Domain Reflectometry (OTDR) and power budget (Laboratory work - online live demonstration with discussions)</i>	Online - Zoom (Lect. <i>T.Salgals</i> and <i>A.Ostrovskis</i>)
	12:00–13:00	Lunch time	-
	13:00–16:00	Digital communications: <i>Presentation skills</i>	Online - Zoom (Lect. <i>P. Naidenoka</i>)
27. 05.	10:00–12:00	Challenges and Trends for Fifth-generation (5G) mobile communications: <i>5G enabling network infrastructure and supporting technologies for ubiquitous connectivity</i>	Online - Zoom (Prof. <i>S.Spolitis</i> and Leading researcher <i>I.Kurbatska</i>)
	12:00–13:00	Lunch time	-
	13:00 - 14:00 (Group-1) 14:10 - 15:10 (Group-2) 15:30 - 16:30 (Group-3) 16:40 - 17:40 (Group-4) 18:00 - 19:00 (Group-5)	Challenges and Trends for Fifth-generation (5G) mobile communications: <i>RoF technology basic work principles (practical work in simulation environment)</i>	Online - Zoom/AnyDesk (Lect. <i>T.Salgals</i>)
28. 05.	Group-1 (10:00 - 10:40) Group-2 (10:40 - 11:20) Group-3 (11:20 - 12:00)	Project Work presentation	Online - Zoom (Lect., <i>T.Salgals</i> , Prof., <i>S.Spolitis</i> , Assoc. Prof. <i>A.Supe</i> , Lect., <i>J.Braunfelds</i> , Lect., <i>R.Murnieks</i> , <i>A.Ostrovskis</i> , <i>K.Zakis</i> and <i>O.Ozolins</i>)
	12:00–13:00	Lunch time	-
	Group-4 (13:00 - 13:40) Group-5 (13:40 - 14:20) Conclusion (14:20 - 15:00)	Project Work presentation	Online - Zoom (Lect., <i>T.Salgals</i> , Prof., <i>S.Spolitis</i> , Assoc. Prof. <i>A.Supe</i> , Lect., <i>J.Braunfelds</i> , Lect., <i>R.Murnieks</i> , <i>A.Ostrovskis</i> , <i>K.Zakis</i> and <i>O.Ozolins</i>)

