



Additive Manufacturing of 3D Microfluidic MEMS for Lab-on-a-Chip applications

www.m3dloc.eu

M3DLoC Project Summer School 2020

Announcement

Date: 15th – 16th July 2020

Place: Lavrion Technological and Cultural Park
Greece



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Announcement

The **M3DLoC Project** is organising their Summer School related to **bio-medical applications, microfluidic lab-on-chip devices, and 3D printing**, which will take place on the **15th and 16th July 2020** in **Lavrion Technological and Cultural Park, Greece**. The **M3DLoC Summer School** is linked to the Summer School of the **Repair3D Project** (www.repair3d.eu) related to **Consumer Best Practices and Societal impact for circularity of materials**, taking place on the **14th and 15th July 2020**, both Summer Schools are taking place in the same venue.

On the **14th July** will be the first day of the **Repair3D Summer School**, a number of lectures related to plastic circularity and recycling, manufacturing of plastics composites, and use of plastics in packaging, are planned.

The two Summer Schools will have joined sessions, all day on the **15th July**. This would be an opportunity to cover jointly topics of interests of both summer schools, such as: advanced 3D printing technologies, design of AM products, risk and safety in 3D printing, recycling, and IPR management. A joined social event for participants of both summer schools, is planned for that evening.

On the **16th July**, **M3DLoC Summer School** will have its second day related to bio-medical applications, microfluidic lab-on-chip devices, and 3D printing.

The Summer School participants are free to choose if they want to attend two days of each Repair3D or M3DLoC Summer School. It is also an option to choose attending all three days of joined Summer Schools. These options should be clearly indicated in the Application Form.

Young researchers from industry and academia, final year undergraduate students and post-graduate students (Masters and PhD students) are encouraged to apply.

REPAIR3D		REPAIR3D & M3DLoC		M3DLoC	
Tuesday, 14/07/2020		Wednesday, 15/07/2020		Thursday, 16/07/2020	
9:00	9:45	9:00	9:45	9:00	9:45
Welcome & Intro Speakers: LTCP, WG, CNAT		Intro/Projects Joining Speakers: NTUA, LTCP, CNAT		AM Techniques/Lab-on-a chip Speaker: NTUA	
9:45	10:30	9:45	10:30	9:45	10:30
Intro to EU Framework Speaker: WG		Innovation and IPR Management Speaker: CNAT		3D printing, thermoplastics & special inks Speaker: AVAN	
10:30	11:15	10:30	11:15	10:30	11:15
Plastics Circularity in EU Speakers: NTUA, PLASTICS CIRCULARITY MULTIPLIER		Risk and Safety in 3D printing process & products Speakers: IRES, ITENE		11:15 12:00	
11:15	12:00	12:00	12:45	12:00	12:45
LUNCH		LUNCH		LUNCH	
12:00	12:30	12:45	13:15	12:45	13:15
Manufacturing of plastics & composites Speakers: PLASTICS INDUSTRY, ADCO		Design of AM products Speakers: LEITAT, DAL		13:15 14:00	
13:15	14:00	13:15	14:00	Microfluidic applications in Research Speaker: ELVESYS	
Use of plastics in packaging Speakers: YIOTIS, NANOPHOS		Recycling options for composites Speaker: IRT		14:00 14:45	
14:00	14:45	14:00	14:45	14:45 15:30	
Invited Expert		Advanced 3D Printing Technologies: CFIP, CCFP Speakers: UGENT, EURECAT		Biomedical Applications Speaker: BIOG3D, JOANNEUM	
14:45	15:30	14:45	15:30	15:30 16:15	
COFFEE BREAK		COFFEE BREAK		16:15 16:30	
15:30	16:15	16:15	16:30	COFFEE BREAK	
Status Quo in Recycling Speakers: POLYECO, HELLENIC RECYCLING ASSOC		FFF 3D Printing & Demonstration (Tour in LTCP) Speaker & Demonstrator: BIOG3D		16:30 17:30	
16:15	16:30	16:30	17:30	Lab-on-a-chip: Risk, H&S Issues Speaker: IRES	
16:30	17:15	17:30	18:30	17:30 18:30	
17:15	18:00	SOCIAL EVENT			

Participants of both Summer Schools will attend for free. If you would like to receive an Application Form and more information, please send an email to: summer.school@m3dloc.eu or visit the summer school dedicated website: www.schools.ltcp.ntua.gr/m3dloc_summer_school/





Venue Information

14 -16 July 2020

Athens - Greece

The summer school will be held at the premises of the **Lavrion Technological and Cultural Park (LTCP)**, located in the southern peninsula of Attica, in Greece on the **14th to 16th July 2020**.

The venue is located by the sea, near the Athens international airport. This site bears a strong underground mining tradition that goes back almost to 2000 BC. The LTCP site includes a number of impressive restored historical buildings, and is characterized as a landmark of industrial architecture.



Milhanourgeio Building



Villa Serpieri



Pharmakeio meeting room

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