

Interreg
Sudoe



ADDISPACE
European Regional Development Fund

REPORT of ADDISPACE
3rd Transfer Workshop
and 2nd Conference

CDRsp and CENTIMFE, Portugal,
October 3, 2018

Reported by IPLEIRIA

Table of Contents

1 EVENT INFO.....	3
2 SHORT DESCRIPTION	5
<i>2.1 The 3rd ADDISPACE Workshop.....</i>	<i>5</i>
<i>2.2 The 2nd ADDISPACE Conference</i>	<i>5</i>
3 SHORT NEWS	5
<i>3.1 The 3rd ADDISPACE Workshop.....</i>	<i>5</i>
<i>3.2 The 2nd ADDISPACE Conference</i>	<i>5</i>

1 EVENT INFO

The 3rd ADDISPACE Workshop and 2nd ADDISPACE Conference were organized in October 3rd 2018, and were included in the Moulds Week Event 2018, promoted by CENTIMFE (Technology Centre for Moulds, Special Tooling and Plastics Industries). The agenda of the Workshop is shown on Table 1.

Table 1: The 3rd ADDISPACE Workshop program.

TIME	CONTENT
10:00-10:10	ADDISPACE PROJECT OVERVIEW Pierre Díaz. ESTIA, Project Co-ordinator.
10:10-10:20	METAL ADDITIVE MANUFACTURING TECHNOLOGICAL OFFER Fábio Simões. IP Leiria.
10:20-10:30	RESEARCH PILOTS OVERVIEW Lexuri Vázquez. LORTEK.
10:30-10:45	PILOT 1 - MACHINING OF ADDITIVE MANUFACTURED PARTS – APPLICATION CASE Antonio Periñán. FADA-CATEC.
10:45-11:00	PILOT 2 - SHOWCASE OF LASER METAL DEPOSITION FOR LARGE STRUCTURAL PARTS António Silva, IP Leiria.
11:00-11:15	PILOT 3 - WIRE BASED ADDITIVE MANUFACTURING FOR LARGE PARTS Pierre Díaz. ESTIA.
11:15-11:30	PILOT 4 - TOPOLOGY OPTIMIZATION OF SPACE HARDWARE Lexuri Vazquez. LORTEK.
11:30-11:45	DIRECT DIGITAL MANUFACTURING TRAINING Fábio Simões. IP Leiria
11:45-12:00	NEXT STEPS Pierre Díaz, ESTIA, Project Co-ordinator

The ADDISPACE International conference on Smart active Monitoring and NDT part inspection in Additive Metal Manufacturing processes was held in the afternoon of October 3rd. The agenda of the Conference is shown on Table 1.

Table 2: The 2nd ADDISPACE conference program.

14:00	Participant reception
14:15	Welcoming
14:30	CLAMIR: Closed-loop power control system for LMD and cladding processes Rodrigo Linares, New Infrared Technologies
15:05	Real-time melt pool monitoring for process control in additive manufacturing Christos Theoharatos, Computer Vision Systems, IRIDA Labs S.A.
15:40	How to ensure reproducible Laser Beam Parameters in Selective Laser Manufacturing processes Paulo Macedo , MTBrandão
15:45	Coffee Break
16:00	NDT part inspection in additive metal manufacturing processes Pedro Sousa , ISQ
16:35	Methodologies, algoritms, and processes for computer tomography analisys in part inspection of Metal AM parts ZEIISS (Software)
17:10	Metal Additive Manufacuring systems developing: oportunities and challenges ADIRA
17:45	Session Closure

2 SHORT DESCRIPTION

2.1 The 3rd ADDISPACE Workshop

The 3rd ADDISPACE Workshop was intended as a dissemination event, where several Portuguese SMEs were present, as the result of the contacts promoted by CDRSP and CENTIMFE. The objective was to raise awareness to the project, including its objectives, but especially to show results from Pilots, Training Offers and the Metal Additive Manufacturing Catalogue.

There were about 80 participants in the workshop, including researchers from IPLEIRIA and other Research Centres, representatives from local SMEs and partners from the project.

2.2 The 2nd ADDISPACE Conference

The 2nd ADDISPACE Conference - International conference on Smart active Monitoring and NDT part inspection in Additive Metal Manufacturing processes – was held in Marinha Grande, on October 3rd 2018. The objective was to disseminate several technologies related to Metal Additive Manufacturing processes, with a special focus on Process Monitoring and Non-Destructive Testing. There were about 100 participants in the conference, including researchers from IPLEIRIA and other Research Centres such as INEGI, CEMMPRE and IST, and representatives from local companies such as TAP Air Portugal, GLN Moulds, PMM Moulds, New Infrared Technologies, IRIDA Labs, MTBrandão, and ISQ.

3 SHORT NEWS

3.1 The 3rd ADDISPACE Workshop

The 3rd ADDISPACE Workshop took place in October 3rd 2018, and was included in the Moulds Week Event 2018, promoted by CENTIMFE (Technology Centre for Moulds, Special Tooling and Plastics Industries). Several Portuguese SMEs were present, as the result of the contacts promoted by CDRSP and CENTIMFE. The objective was to raise awareness to the ADDISPACE project, including its objectives, but especially to show results from Pilots, Training Offers and the Metal Additive Manufacturing Catalogue.

3.2 The 2nd ADDISPACE Conference

The 2nd ADDISPACE Conference - International conference on Smart active Monitoring and NDT part inspection in Additive Metal Manufacturing processes - took place in October 3rd 2018, and was included in the Moulds Week Event 2018, promoted by CENTIMFE (Technology Centre for Moulds, Special Tooling and Plastics Industries). Several Portuguese SMEs were present, as the result of the contacts promoted by CDRSP and CENTIMFE, as well as project partners. The objective was to disseminate several technologies related to Metal Additive Manufacturing processes, with a special focus on Process Monitoring and Non-Destructive Testing.



Figure 1: The Workshop at CDRSP Training Factory.



Figure 2: The Workshop at CDRSP Training Factory.



Figure 3: The 2nd ADDISPACE Conference at CENTIMFE.



Figure 4: The 2nd ADDISPACE Conference at CENTIMFE.

