

**Interreg**



**Sudoe**

**ADDISPACE**

European Regional Development Fund

**OCTOBER 3, 2018**

MARINHA GRANDE (PORTUGAL)

## International conference on Smart active Monitoring and NDT part inspection in Additive Metal Manufacturing processes

### ADDISPACE WORKSHOP IN CDRSP

(Edifício IPL - Rua de Portugal – Zona Industrial -2430-028 Marinha Grande, Portugal)

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10:00 ADDISPACE PROJECT OVERVIEW | Pierre Diaz, ESTIA, Project Co-ordinator.

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10:10 METAL ADDITIVE MANUFACTURING TECHNOLOGICAL OFFER | Fábio Simões, IP Leiria.

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10:20 RESEARCH PILOTS OVERVIEW | Lexuri Vázquez, LORTEK.

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10:30 PILOT 1 - MACHINING OF ADDITIVE MANUFACTURED PARTS – APPLICATION CASE | Antonio Perrián, FADA-CATEC.

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10:45 PILOT 2 - SHOWCASE OF LASER METAL DEPOSITION FOR LARGE STRUCTURAL PARTS | António Silva, IP Leiria.

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11:00 PILOT 3 - WIRE BASED ADDITIVE MANUFACTURING FOR LARGE PARTS | Pierre Diaz, ESTIA.

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11:15 PILOT 4 - TOPOLOGY OPTIMIZATION OF SPACE HARDWARE | Lexuri Vazquez, LORTEK.

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11:30 DIRECT DIGITAL MANUFACTURING TRAINING | Fábio Simões, IP Leiria

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11:45 NEXT STEPS | Pierre Diaz, ESTIA, Project Co-ordinator

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### ADDISPACE CONFERENCE IN CENTIMFE

(Rua da Espanha, Lote 18 - Zona Industrial 2430-028 Marinha Grande, Portugal)

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13:00 to 14:00 Network lunch : Addispace + Samt sodue

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14:00 Participant reception

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14:15 Welcoming

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14:30 CLAMIR: Closed-loop power control system for LMD and cladding processes

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Rodrigo Linares, New Infrared Technologies

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15:05 Real-time melt pool monitoring for process control in additive manufacturing

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Christos Theoharatos, Computer Vision Systems, IRIDA Labs SA.

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15:40 How to ensure reproducible Laser Beam Parameters in Selective Laser Manufacturing processes

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Paulo Macedo , MTBrandão

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16:10 Coffee Breack

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16:20 New approaches for NDT part inspection in additive metal manufacturing processes

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José Pedro Sousa ,Instituto de Soldadura e Qualidade (ISQ)

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16:50 Direct Energy Deposition (DED): challenges

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Tiago Leça, INEGI

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17:20 Selective Laser Melting (SLM): challenges to produce qualified parts

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CEMPRE

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17:50 Session Closure