

International Brokerage Event  
Brussels, 26-27/10/2017



***TWI Ltd***

***Warren Bath***

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# Description of the Organization



- Research & Technology Organisation -1946
- Non-profit distributing
- Five UK locations and 13 international offices
- Materials, Joining and Integrity Management



Since 2008:

**1800**  
INDUSTRIAL  
MEMBERS

**288**  
FUNDED  
PROJECTS  
AND COUNTING

**100**  
PROJECTS  
COORDINATED  
BY TWI

**£325m**  
FUNDING  
SECURED

# Description of the your research interest

- Advanced NDT Solutions e.g. PAUT, LRUT, Digital Radiography
- Computational Fluid Dynamics (CFD)
- Condition & Structural Monitoring
- Engineering Critical Assessment (ECA)
- Failure Investigation
- Fatigue Assessment & Testing
- Finite Element Analysis (FEA)
- Fitness For Service (FFS)
- Mechanical Testing (small and full-scale)
- NDT Qualification and Validation
- Risk Based Inspection (RBI)
- Robotics



AEROSPACE

AUTOMOTIVE

EQUIPMENT

MATERIALS

CONSTRUCTION

ELECTRONICS

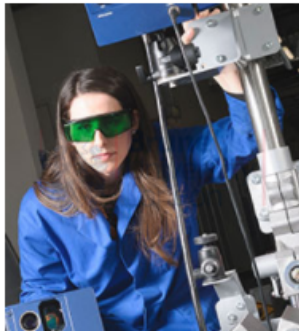
MEDICAL

OIL AND GAS

POWER

# Description of the your research interest

Brunel Innovation  
Centre



London South Bank  
Innovation Centre



Smart Asset  
Management  
Innovation Centre



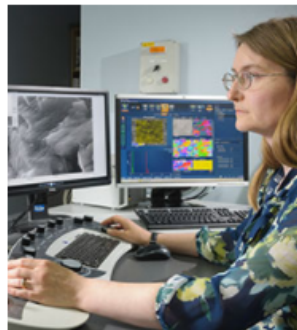
Advanced Resins  
and Coatings  
Innovation Centre



Brunel Composites  
Innovation Centre



Materials Innovation  
Centre



Joining 4.0  
Innovation Centre



Healthcare  
Innovation Centre



**Please add relevant 2017 CALL TOPIC ....**  
**Please add TITLE of the PROJECT IDEA ....**



- LEIT NMBP - DT-NMBP-02-2018 - Open Innovation Hubs for Safety Testing of Medical Technologies for Health (IA)
- LEIT NMBP - DT-NMBP-09-2018 - Accelerating the uptake of materials modelling software (IA)
- LEIT NMBP - DT-FoF-01-2018 - Skills needed for new Manufacturing jobs (CSA)
- LEIT NMBP - DT-FoF-02-2018 - Effective Industrial Human-Robot Collaboration (RIA)
- LEIT NMBP - DT-FoF-04-2018 - Pilot lines for metal Additive Manufacturing (IA 50%)
- LEIT NMBP - DT-FoF-06-2019 - Refurbishment and re-manufacturing of large industrial equipment (IA)
- LEIT NMBP - DT-NMBP-20-2018 - A digital 'plug and produce' online equipment platform for manufacturing (IA)

- LEIT NMBP - CE-NMBP-26-2018 - Smart plastic materials with intrinsic recycling properties by design (RIA)
- LEIT NMBP - CE-SPIRE-10-2018 - Efficient recycling processes for plastic containing materials (IA)
- LEIT NMBP - H2020-EIC-FTI-2018-2020
- MG-2.1-2018 - Human Factors in Transport Safety
- LC-MG-2.5-2018 - Innovative technologies for improving aviation safety and certification in icing conditions
- MG-2.6-2019 - Innovative applications of drones for safety in transport
- MG-3.1-2018 - Multidisciplinary and collaborative aircraft design tools and processes
- MG-3.2-2018 - The Autonomous Ship

**Please add relevant 2017 CALL TOPIC ....**  
**Please add TITLE of the PROJECT IDEA ....**



- MG-BG-01-2018 - Unmanned and autonomous survey activities at sea
- DT-ART-02-2019 - Human centred design of automated vehicles
- DT-ART-03-2019 - Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all
- LC-GV-01-2018 - Integrated architectures, components and systems for next generation electrified vehicles optimised for the infrastructure
- LC-GV-02-2018 - Virtual product development and production of electrified vehicles and components

# Consortium - profile of known partners *(if any)*



No	Partner Name	Type	Country	Role in the Project
01	Expert	RTD	Any	Relevant
02	Expert	SME	Any	Relevant
03	Expert	IND	Any	Relevant
04				
05				
06				
07				
08				



# Warren Bath

## TWI Ltd

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