European Training Network on “Process Fingerprint for Zero-defect Net-shape MICROMANufacturing”

Fact Sheet

Project Information

MICROMAN
Grant agreement ID: 674801
Funded under H2020-EU.1.3.1.
Overall budget € 3 446 156,52

Project website

Status
Closed project
EU contribution € 3 446 156,52

Start date
1 October 2015

End date
30 September 2019

Coordinated by DANMARKS TEKNISKE UNIVERSITET

Denmark

Objective

The continuous trend towards miniaturization and multi-functionality embedded in products and processes calls for an ever increasing innovation, research and development within the European manufacturing sector. A necessary condition for the European productive sector to be at the global forefront of technology, ensuring job creation and sustainable growth, is to have access to innovative, entrepreneurial, highly skilled research engineers in the fields of micro manufacturing and micro product/process development. The MICROMAN ITN will provide world excellent research training to 13 ESR in the field of micro manufacturing proposing: (1) innovative technological solutions for high quality and high throughput micro production (micro manufacturing process fingerprint, zero-defect net-shape micro manufacturing) for the micro manufacturing industry; (2) cutting edge inter-disciplinary training in different domains (μ-polymer moulding, μ-metal forming, μ-extrusion, μ-tooling technologies, μ-product metrology, μ-manufacturing process...
extrusion, µ-tooling technologies, µ-product metrology, µ-manufacturing process metrology); (3) validation of different micro manufacturing processes by integration into process chains for the production of micro component for the bio-medical, health-care, machine tool, pharmaceutical, quality control sectors. The training strategy is based on the 50-30-20 principle, in which each single ESR will develop a core technical competence, a complementary technical competence, and a general technical competence in all domains addressed by the project with a research effort proportional to the 50%-30%-20% of the total effort. An all-round, comprehensive yet specialized, training in micro manufacturing will be ensured. Specific training on project engineering research management and entrepreneurship completes the training and provides the ESR the required skills to effectively contribute to the competitiveness of the European micro manufacturing industry, and in turn to job creation and well-being of the European society.

Field of science
/social sciences/economics and business/business and management/entrepreneurship

Programme(s)

Topic(s)

Call for proposal

H2020-MSCA-ITN-2015

Funding Scheme

MSCA-ITN-ETN - European Training Networks

Coordinator

DANMARKS TEKNISKE UNIVERSITET

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Anker Engelundsvej 1
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Activity type
Higher or Secondary Education Establishments

EU contribution
€ 580 163,76

Website
Contact the organisation

Participants (8)
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<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity Type</th>
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<tbody>
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Website
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