



Robotics in upcoming Horizon 2020 calls: Information and Brokerage day

NMBP Programme

TOPICS FACTORIES OF THE FUTURE (FOF)

Jan Ramboer

DG RTD

Directorate D – Industrial Technologies

Unit D2 – Advanced Manufacturing Systems and

Biotechnologies

18 December 2018

**DT-FOF-12-2019:
Handling systems for flexible
materials (RIA) – Jan Ramboer**

DT-FOF-12-2019: Handling systems for flexible materials (RIA)

Specific Objective:

- *Handling of soft materials*
- *Handling devices not pre-programmed for one specific task*
 - Intelligent
 - Universally dexterous
- *Control level of deformation in case of multiple contact points*
- *Low-cost systems -> SMEs*
- *E.g. textile, paper, food processing*

DT-FOF-12-2019: Handling systems for flexible materials (RIA)

- **Scope:**
- *handling of the soft and flexible materials*
 - gripping, moving, positioning, sorting, joining
- *included in larger production processes*
 - product and material related data
- *Low-cost and universal dexterity*

TRL
4 to 6

RIA-100%

DT-FOF-12-2019: Handling systems for flexible materials (RIA)

- ***Expected impact:***
- *Bring back production to Europe;*
- *15% increase in Job Quality*
- *20% increase in productivity*

EUR 6-8 millions

DT-FOF-12-2019: Handling systems for flexible materials (RIA)

Types of action: RIA Research and Innovation action

DeadlineModel: single-stage
Opening date: 16 October 2018

Deadline: 21 February 2019
17:00:00

For further Information ...

- Contact: *jan.ramboer@ec.europa.eu*
- H2020 Research Themes and Call:
ec.europa.eu/research/participants/portal
- Information on the Research PPPs:
ec.europa.eu/research/industrial_technologies/