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## ICED 17 Planning/Preparations

We plan to set up the ConfTool system in such a way that 3 keywords must be chosen from a given list. Up to 2 “own” keywords may be added as free text.

| Keywords                               |
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| 3D Printing                            |
| Additive Manufacturing                 |
| Bio-inspired design, biomimetics       |
| Biomedical design                      |
| Business models and considerations     |
| Case Study                             |
| Circular Economy                       |
| Collaborative design                   |
| Communication                          |
| Complexity                             |
| Computational design methods           |
| Computer aided design (CAD)            |
| Conceptual design                      |
| Concurrent engineering (CE)            |
| Constraint Modelling                   |
| Creativity                             |
| Crowdsourcing                          |
| Decision making                        |
| Design cognition                       |
| Design costing                         |
| Design education                       |
| Design engineering                     |
| Design for Additive Manufacturing (AM) |
| Design for X (DfX)                     |
| Design informatics                     |

**Keywords**

Design learning

Design management

Design methodology

Design methods

Design practice

Design process

Design theory

Design to X

Digital / Digitised Engineering Value Chains

Early design phases

Ecodesign

Education

Embodiment design

Emotional design

Entrepreneurship

Ethics

Evaluation

Experience Design

Functional modelling

Human behaviour in design

Inclusive design

Industrial design

Information management

Innovation

Integrated product development

Knowledge management

Large-Scale Engineering Systems

Lean design

Life-Long Learning

**Keywords**

Market implications

Mechatronics

Multi-, Cross- and Trans-disciplinary processes

Multisensory Product Experience

New product development

Numerical methods Ontologies

Open Innovation

Open Source Design

Optimisation

Organisation of product development

Organizational Processes

Participatory design

Platform strategies

Portfolio management

Process modelling

Product architecture

Product families

Product lifecycle management (PLM)

Product modelling

Product modelling, models

Product structuring

Product-service systems (PSS)

Project management

Requirements

Research methodologies and methods

Risk management

Robust design

Service design

Simulation

**Keywords**

Social responsibility

Sustainability

Systems engineering (SE)

Teamwork

Technology

Tolerance representation and management

Training

Uncertainty

User centred design

Virtual engineering (VE)

Visualisation

Workspaces for design