

## Call for Case Studies

As part of the workshop ICT with Industry, the organizing committee is seeking for challenging and industrially relevant case studies on ICT topics, applications and tools. Large companies and/or SMEs and public organisations are invited to submit a proposal for a case study in collaboration with ICT researchers.

### Important Dates:

- Submission deadline: Friday, 31 May 2019
- Notification: Friday, 28 June 2019
- Workshop ICT with Industry: 20-24 January 2020

### Why should you apply?

- If you belong to a company/public organisation: the workshop offers you one week to collaborate with a team of dedicated researchers from various ICT disciplines on the problems in your proposed case. The goal is to come to a concrete practical solution or develop new horizons and new insights, e.g. a spin-off or a prototype implementation of a new method.
- If you are an ICT researcher: the workshop offers you one week to explore your research ideas in collaboration with the external partners. You will have a team of dedicated researchers from various ICT-disciplines to work with. The goal is to come to concrete ideas which can be used for e.g. a scientific paper or a proposal to be submitted to NWO or Horizon Europe.

### Application procedure

You can submit a case proposal by filling in the application sheet attached to this document and submitting it to <https://easychair.org/conferences/?conf=ictwi2020>. (EasyChair is a conference paper submission system we are using for this purpose.) A total of five challenges will be selected by the organizing committee, with leading experts from different fields of ICT. The main selection criteria are:

1. Scientific relevance/challenge - Is the challenge scientifically interesting, particularly also from an ICT point of view?
2. Urgency - Is the challenge urgent for both researchers and practitioners?
3. Feasibility - Is it likely that a solution or significant steps towards a solution to the challenge can be obtained within the timeframe of one week?
4. Commitment - Can you commit to your involvement as stipulated below?

In order to increase the chances of being selected, it is recommended that your proposed case study involves both the participation of a senior academic researcher and a company/public organisation's representative.

The Steering Committee and workshop chairs can help companies/public organisations without active research collaborations to connect with academic researchers with the right expertise related to the case study.

### Please note

1. The information in this proposal may be used as input for public discussions during the workshop 'ICT with Industry'. If you think this information cannot be used for outreach and promotion activities regarding the workshop, please let us know.
2. Applicants will be expected to attend the workshop held on 20-24 January 2020.
3. Applicants are expected to recruit participants for the workshop. It is the aim to compose a team of approximately 6-10 people (including a partners' representative in the company/public organisation and a senior academic researcher).

If you have any questions about the submission procedure, please contact [ictwi2020@easychair.org](mailto:ictwi2020@easychair.org)

## Preparation for the workshop

If your case study is selected, then:

- The organizing committee will assign a team leader. Generally, the researcher who submits the case study will be asked to fulfil this role.
- You will be invited for an intake meeting to discuss the preparations.
- Your proposed case study will be used to recruit participants, e.g. PhDs and postdocs.
- You will provide any (anonymised) data to be used during the workshop by December 13<sup>th</sup> 2019

## Outline of workshop programme

The workshop starts on Monday morning with a plenary presentation of the case studies by a partners' representative. In the afternoon the teams split and start to work on the individual cases. There will be daily sessions where each team shares its provisional findings. On Friday, each team presents their final results to the entire group. In addition, there will be informal evening sessions which provide ample opportunity to meet with the participants of the other teams and to exchange ideas.

## Schedule

31 May 2019	Deadline for applications of case studies
June 2019	Selection of five challenges and assignment of team leader
July 2019	Publication of cases and call for participation
Sept/Oct 2019	Intake meetings
November 2019	Composition of Teams
December 2019	Finalization of preparation material
20-24 January 2020	ICT with Industry 2020

## Costs

The workshop is funded by NWO Science (NWO ENW) and NWO Applied and Engineering Sciences (NWO TTW), and the participating companies/public organisations. However, to cover all expenses of the workshop participating companies/public organisations are requested to contribute €1,500 (excl. VAT) in cash to the workshop. The contribution includes full participation in the workshop, food and drinks, work office facilities and hotel accommodation for one representative during the week.

## Results of the workshop, confidentiality and intellectual property

The main purpose of the workshop is to transfer knowledge between industry and academia. Generated results are intended to be public. However, if before or during the workshop the need arises to protect knowledge or generated results, NWO ENW and NWO TTW will be able to facilitate the making of suitable arrangements with the owner(s) of the intellectual property<sup>1</sup> according to the current IPR-policy. In order to allow for this, we have a Code of Conduct, which can be adapted as required.

## Links

<https://ict-research.nl/ict-with-industry/>  
[NWO Exacte en Natuurwetenschappen](#)  
[NWO Toegepaste en Technische Wetenschappen](#)

## Scientific Chairs for 2020

Dr. Ivano Malavolta (VU)  
Dr. Vasilios Andrikopoulos (RUG)

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<sup>1</sup> Sometimes it is appropriate to protect the generated results by intellectual property rights. According to the current IPR policy of NWO ENW and NWO TTW the intellectual property rights will be owned by the employer(s) of the person(s) generating such intellectual property. Any arrangement should be made in writing with the owners of the intellectual property.

**Steering Committee**

Dr. Paola Grosso (UVA - ASCI) - chair

Dr. Suzan Verberne (UL - SIKS)

Dr. Michel Reniers (TU/e - IPA)

Dr. Wouter Leibbrandt (TNO ESI)

Prof. Dr Patricia Lago (VU - IPN)

**Contact**

For questions, e-mail [ictwi2020@easychair.org](mailto:ictwi2020@easychair.org) or contact:

- Rosemarie van der Veen-Oei (NWO ENW)      Phone: +31 70 344 05 87
- Paul Blank (NWO TTW)                      Phone: +31 30 600 1347

## **Format challenge proposals workshop 'ICT with Industry'**

The deadline for submitting challenge proposals (by submission to the following website: <https://easychair.org/conferences/?conf=ictwi2020>) is **Friday, 31 May 2019**. The proposals have to be structured according to the format below. The language should be English and the exact titles of the paragraphs should be used. The proposal should have a maximum length of 2 pages in the A4 format.

### **1. Title**

The title is short, but clear; no elaborate description.

### **2. Applicant(s)**

Name(s) of the applicant(s) and company/public organisation as well as address, email and phone number.

### **3. Suggestion for academic team leader**

Give possible name(s) of senior academic researcher(s), including contact information. This senior scientist will be a sparring partner during the preparations of the workshop and s/he will be the team leader during the workshop. As applicant, you can suggest yourself as team leader.

### **4. Company/public organisation information**

Brief introduction (max. 100 words) on your organisation (mission, size, turnover, R&D activities, sales area).

### **5. Challenge**

Description of the ICT related challenge (about 500 words) that could be discussed at the 'ICT with Industry' workshop. Please include the following aspects:

- the background and urgency of the challenge;
- how the ICT research community will contribute to solving the challenge;
- which sub-disciplines you expect to be relevant for this challenge;
- illustrative graphs, images and/or references;
- possible solutions or directions of solutions to the challenge;
- boundary conditions (e.g. technical, organisational, or budgetary requirements).

Please note that the participants of the workshop will have different backgrounds and come from various disciplines (such as data mining, security & cryptography, performance analysis, software engineering, distributed systems, visualization, HCI) and experience (PhD student to professor).

### **6. Input for workshop participants**

Describe to what extent you will provide workshop participants with details (numbers, experiences, models, software etc.) and to what extent details are confidential. In general, the more information you provide, the higher your 'return on investment'.

#### Please note

The information of this proposal will be used as input for public discussions during the workshop 'ICT with Industry'. It may also be used for outreach and promotion activities regarding the workshop.