



# TNC15

## THE LARGEST NETWORKING CONFERENCE FOR RESEARCH AND EDUCATION

15 - 18 June 2015, Porto, Portugal

### CALL FOR PROPOSALS



## CONNECTED COMMUNITIES



#### DEADLINES

Presentation abstracts & session suggestions

**Midnight CET, 28 November 2014**

Lightning talks, posters, full papers

**Midnight CEST, 15 April 2015**

[tnc15.terena.org](http://tnc15.terena.org)

# CONNECTED COMMUNITIES

On behalf of the TNC15 Programme Committee, it is my pleasure to invite you to Europe's foremost research and education networking conference, which is to be held on 15-18 June 2015 in Porto, hosted by FCT | FCCN, Portugal's unit for the operation of the National Research and Education Network (NREN) within the funding agency for science and research in Portugal.

From the start NRENs have been in the business of connecting, not only campuses to each other and to the rest of the Internet but also people belonging to many different communities. Today, NRENs find themselves at an exciting crossroads in society. Not only do they provide the basic network infrastructure on which big science and big data build, but they also address the requirements of ever-increasing and more diverse communities of Internet end users in the wider research and education areas. Many questions around cloud computing, software defined networking, mobility, 'over-the-top' etc. remain unanswered, and their impact on the NREN landscape and their potential to address the needs of the users are still unclear. All of this in a time when privacy and security are not a given.

With the TNC15 Call for Proposals we invite you to explore the challenges the research and education networking community faces along the following themes:

## SUCCESS FACTORS FOR NRENS

Are NRENs sufficiently addressing the needs of all their stakeholders? What is needed to remain at the forefront of innovation? What critical success factors exist for NRENs?

## SHINING THE LIGHT ON DARK IT

What must campuses do to address the increasing use of tools that are not rooted in or controlled by the campus? Should they embrace or fight them, and what alternatives are on offer?

## CONNECTING LIFE, THE UNIVERSE AND EVERYTHING

As we become increasingly more connected there is demand to serve not only all stakeholders (campuses, researchers, students) but all things. How should the community deal with the increasing demands of cloud computing and the Internet of Things and how can NRENs worldwide work together and with industry to achieve this?

## CONTROL IN THE CONNECTED WORLD

Increased connectivity brings with it increased privacy and security concerns. How can we support users to connect on their own terms without stifling innovation?

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## DECONSTRUCTING THE NETWORK

As we move beyond classical network paradigms, how do we make sense of the brave new world where bits and pieces play different roles in different combinations: X-as-a-Service, software defined networking, network function virtualisation? What is the role of the NRENs and campuses?

TERENA conferences have been at the heart of developments in research and education networking for around three decades. Decision makers, technical experts, solution providers and users gather to share views and help shape the future of networking. I look forward to connecting with you in Porto and hearing your views on “Connected Communities”!



Klaas Wierenga (Cisco Systems)  
*TNC15 Programme Committee Chair*

## SUBMISSION OF PROPOSALS

This year the programme committee decided to allow more flexibility in the submissions process so that participants are able to contribute more ideas than ever before to help shape the conference. In addition to the usual opportunity to submit presentation abstracts and, at a later date, full papers, lightning talks and posters, participants are also invited to propose entire sessions – all possible now and all through one unified submission system.

All submissions should be on subjects relevant to the spirit and objectives of the conference: to present, discuss and learn about the latest developments in networking technology and its uses in the research and education community. The topics described above are an indication of the scope of the conference, but are not meant to be restrictive.

» **SUBMIT:** [tnc15.terena.org/submit](https://tnc15.terena.org/submit)

All proposals must be submitted in English,  
the official language of the conference.

## **Deadline - midnight CET, 28 November 2014**

### **SESSIONS** *(90 minutes)*

Proposals should be about 300-800 words (one A4 page). Session proposals must include: title, proposer names, affiliations and biographies, around five keywords, session format, session objectives, proposed speakers and their biographies.

### **ABSTRACTS** *(for 25-minute presentations)*

Extended abstracts should be of about 1200 words (two A4 pages). These may include future work that is expected to produce results in the first half of 2015. Abstracts should clearly indicate what work has already been done and what still has to take place. Extended abstracts must include: title, author names and affiliations, five keywords, author biographies.

Guidance about abstract and session submissions can be found at:

[tnc15.terena.org/web/participate/guidelines](http://tnc15.terena.org/web/participate/guidelines)

## **Deadline - midnight CEST, 15 April 2015**

### **LIGHTNING TALKS** *(5 minutes)*

These talks focus on one key point. This can be an idea, successful project, a cautionary story, collaboration invitation, quick tip or demonstration. This is an opportunity for ideas to get the attention they deserve. Lightning talk proposals must include: title, author name and short biography, five keywords, and a short description of the planned talk. Please indicate on your abstract whether you would be willing to have your proposal considered as a poster if it is not accepted as a lightning talk.

### **POSTERS** *(authors required to be available to discuss their posters during p.m. coffee breaks)*

Poster proposals may include future work that is expected to produce results in the first half of 2015. Abstracts should clearly indicate what work has already been done and what still has to take place. Submissions should include: poster title, name(s) and affiliation(s) of any author(s), lead author contact information, presenter name (if different from the submitting author); an abstract (max. 2 pages of A4) describing the content of the poster. A draft poster may also be submitted to support the abstract. Please indicate on your abstract whether you would be willing to have your proposal considered as a lightning talk if it is not accepted as a poster.

### **FULL PAPERS**

Authors of abstracts selected to be presented at the conference, and all invited speakers, will be encouraged to submit a full paper. Around twelve will be selected for online publication as conference proceedings. Please indicate on your abstract whether you are willing to have a full paper published.

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# TNC15

## CONNECTED COMMUNITIES

|               |               |                |  |                  |       |                 |     |
|---------------|---------------|----------------|--|------------------|-------|-----------------|-----|
| EDUCATION     |               | INNOVATION     |  | OPEN SCIENCE     |       | BIG DATA        |     |
| PRIVACY       | SECURITY      | SAFETY         |  | NREN             | CLOUD | USERS           | SDN |
| NFV           | AAI           | SMART NETWORKS |  | SOCIAL IMPACT    |       | ECONOMIC IMPACT |     |
| MOBILITY      | ACCESSIBILITY | STORAGE        |  | PROOF OF CONCEPT |       | EXPERIMENTATION |     |
| COLLABORATION |               | RESEARCH       |  | NETWORKING       |       | WORLD           |     |

### PROCEEDINGS

Around twelve papers from TNC15 will be selected by the programme committee and published online as conference proceedings under a registered ISBN number.

### BENEFITS FOR SPEAKERS AND SESSION CHAIRS

Session chairs, session speakers and lightning talk presenters will be invited to a closed reception on the evening of Sunday 14 June. Session chairs, session speakers and lightning talk presenters are entitled to a discount on the conference registration fee.

### IMPORTANT

All presenters and session chairs are responsible for registering for the conference well in advance, paying the discounted registration fee, and organising and paying for their own travel and lodging.

### OTHER WAYS TO PARTICIPATE

#### SIDE MEETINGS

Many meetings and workshops will be held before, after and around the conference, starting from Sunday, 14 June. Up-to-date information on such activities around the conference is available at: [tnc15.terena.org/core/events](http://tnc15.terena.org/core/events). If you would like to organise a side event, please contact Gyöngyi Horváth <[horvath@terena.org](mailto:horvath@terena.org)> **before 15 January 2015**.

#### DEMONSTRATIONS

Demonstrations and exhibits will be possible throughout the conference in the exhibition area. Companies or projects wishing to participate should contact: <[tnc15@terena.org](mailto:tnc15@terena.org)>

#### SPONSORSHIP

For information about sponsorship opportunities, please contact Gyöngyi Horváth: <[horvath@terena.org](mailto:horvath@terena.org)>

## CONFERENCE SCHEDULE

TNC15 will start with lunch on Monday 15 June at 12:30 (local time), followed by the opening plenary session and the first parallel sessions. The conference will end at 13:00 on Thursday 18 June 2015 (no lunch provided). The opening reception will be held on Monday 15 June at 20:00 and the gala evening on Wednesday 17 June at 20:00. Full details of the sessions, presentations, speakers, side meetings and demonstrations will be available at: **[tnc15.terena.org/core/schedule/list](http://tnc15.terena.org/core/schedule/list)**

## REGISTRATION OPENS 1 DECEMBER 2014

Online registration will be available at:  
**[tnc15.terena.org/web/participate/register](http://tnc15.terena.org/web/participate/register)**

## OTHER IMPORTANT DATES

Notification of acceptance of extended abstracts: 30 January 2015  
Preliminary presentation slides due: 11 May 2015

## CONTACTS

### General Information

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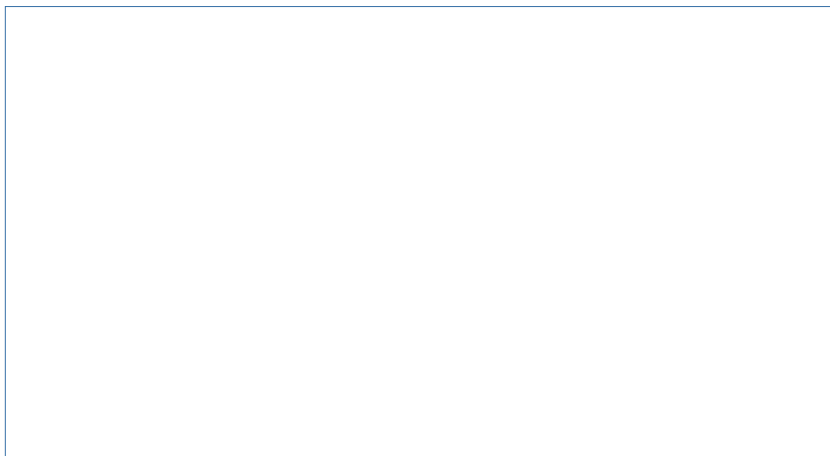
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