



zoom



# Technical Introduction Real Time Conference 2020

*Stefan Ritt*  
*General Chair*

## Going Virtual ...

- ▶ Sorry for not greeting you in person
- ▶ Many things cannot be done
  - Conference Dinner, Excursion, having a beer or two...
- ▶ Some things can maybe be done better!
- ▶ Let's try several ideas the next two weeks and make the best out of the current situation

# Many thanks to

*This conference would not be possible without...*

- ▶ Masaharu Nomachi (Co-Chair, Osaka University)
  - ▶ Pierre-André Amaudruz (Program Chair, TRIUMF)
  - ▶ Martin Purschke (Awards Chair, BNL)
  - ▶ Martin Grossmann (CANPS Chair, PSI)
- 
- ▶ Whole Executive committee  
<https://indico.cern.ch/event/737461/page/18125-organizers-and-committees>

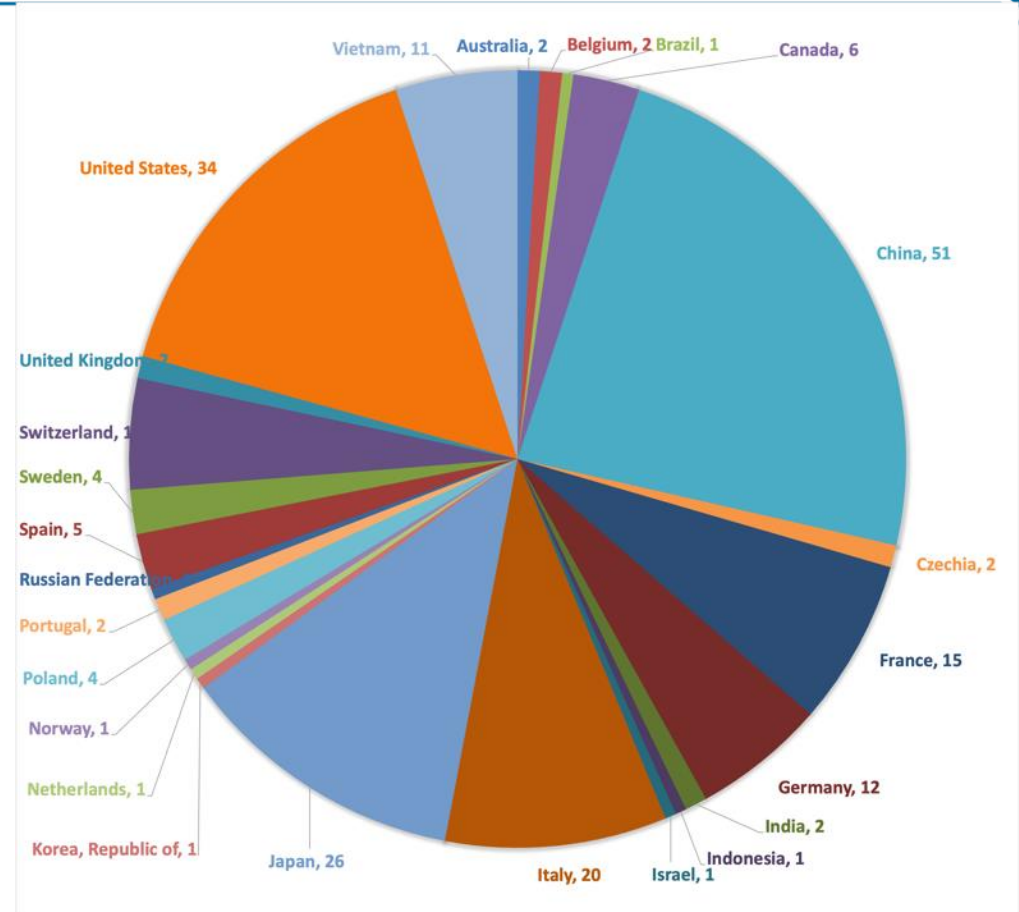


# Registration by country

*25 countries!*

Australia	2
Belgium	2
Brazil	1
Canada	6
China	51
Czechia	2
France	15
Germany	12
India	2
Indonesia	1
Israel	1
Italy	20
Japan	26
Korea, Republic of	1
Netherlands	1
Norway	1
Poland	4
Portugal	2
Russian Federation	1
Spain	5
Sweden	4
Switzerland	10
United Kingdom	2
United States	34
Vietnam	11

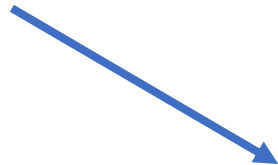
217 total



# Virtual Conference Handbook

## Basics for this event

- Zoom live stream
- Slido Q&A system
- Slack Messaging
- Padlet pinboard



12-24 October 2020  
Europe/Zurich timezone

Search...

\*\*\* Registrations are now open \*\*\*

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Virtual Conference Handbook

Due to the current COVID-19 situation, the organizers have decided to hold the RT2020 completely virtual for your safety and the protection of your health. We will use the ZOOM video conferencing software both for oral and poster sessions.

Live Video Stream

We will broadcast a live video stream of all oral presentations via Zoom Webinar, integrated into Slido to ask live questions. In addition to asking questions, this allows you to see other questions and give them a "thumbs up" if you like them. Questions will be answered by the presenter in sorted order, so the questions which got the most "thumbs up" and are therefore of broadest interest will be answered first.

Only registered attendees can access this stream.

Use the link below to access our live stream:

  
**Access Zoom Live Stream**

[Zoom only Live Stream](#) (in case of problems with the above link)

[Slido only page](#) (enter event code "321")

[Watch Live Stream on IEEE.tv](#) (only invited talks will be streamed)

# Zoom with Slido Webinar

*Main interface for attendees*

Polls will be here

The screenshot displays the Slido webinar interface. On the left is a video feed of a man with glasses and a goatee. Below the video is a control bar with 'Join Audio', 'Raise Hand', and 'Leave Webinar' buttons. On the right is a sidebar with a 'Q&A' tab and a 'Polls' tab. The 'Q&A' section has a 'Type your question' input field. Below it, a 'Popular' section shows two questions: 'Which operating systems do you support?' and 'Is your work Open Source?'. A red arrow points to the 'Polls' tab, and another red arrow points to the 'Type your question' input field. A third red arrow points to the 'Raise Hand' button. A fourth red arrow points to the 'Ask' button at the bottom right of the sidebar. The bottom of the screen shows the event title 'IEEE NPSS Real Time Conference 2020' and the Slido logo.

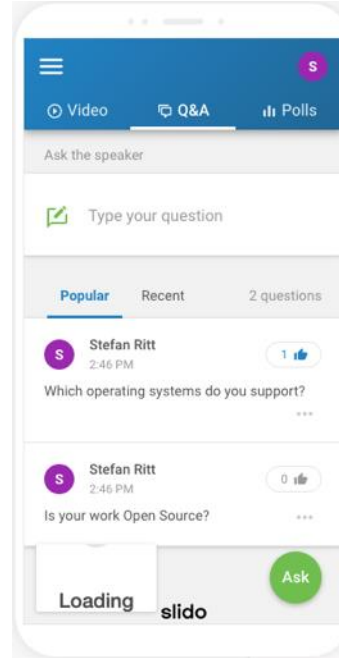
The most important button of this conference

# Zoom and Slido separate

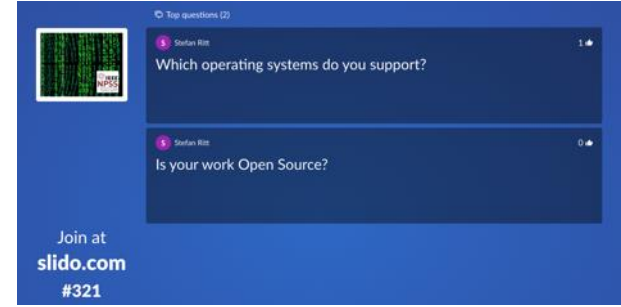
*Interface for oral presenters and session chairs*



Zoom desktop app or browser



Smartphone



Slido web client

# Live streaming via IEEE.tv

[https://ieeetv.ieee.org/live\\_events/IEEE\\_RT2020](https://ieeetv.ieee.org/live_events/IEEE_RT2020)

- ▶ Publicly available live stream (No registration necessary)
- ▶ Only invited talks
- ▶ “Advertisement” of our conference  
→ Access from low-income countries
- ▶ Please send link to all your friends!
- ▶ Speakers: Please complain to me if you do not want your talks broadcasted.

IEEE.tv Tune in to where technology lives.

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COMING SOON IEEE RT2020

22nd IEEE Real Time Conference

IEEE NPSS NUCLEAR & PLASMA SCIENCES SOCIETY

Live Virtual Event

12-23 Oct. 2020 - Begins 13:00 UTC

Click here to register

Share this

About this Event

22nd IEEE Real Time Conference  
Virtual Conference

The new date for the conference is October 12-23, 2020

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# Messaging with Slack

## *Our instant communication*

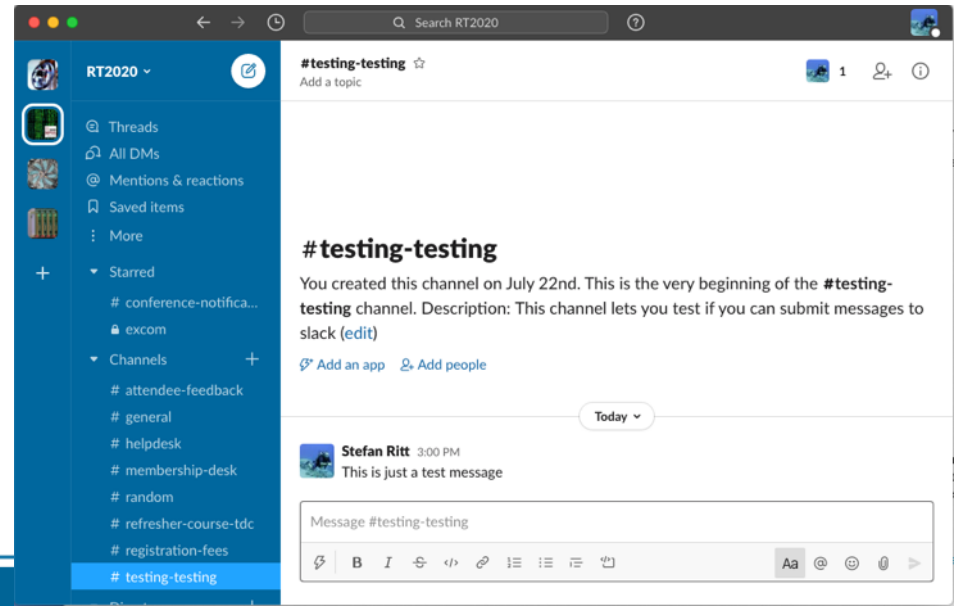
- ▶ “WhatsApp / WeChat /Line” for RT2020
- ▶ Register free account following the link in the conference handbook
- ▶ Install Slack app or use web client
- ▶ Various “channels”
  - Attendee-feedback: Give us feedback
  - **General: Announcements**
  - Helpdesk: If you need help
  - Membership-desk: If you want to become an IEEE member
  - Refresher-course-tdc: For short course
  - ... I might add more as needed ...
- ▶ Do NOT use it for Q&A (use Slido instead!)
- ▶ Channels will be open even after conference

## Messaging

For real-time messaging (well, this is the Real Time conference!) we use Slack. We will send quick last-minute announcements and collect feedback through the Slack workspace "realtime2020.slack.com". Please use the inv... below to join that workspace and install the slack app on you smartphone.



[Join RealTime2020 at Slack](#)



# Virtual Pinboard

## *Substitute of “real” pinboard*

- ▶ Job announcements, general messages, ...

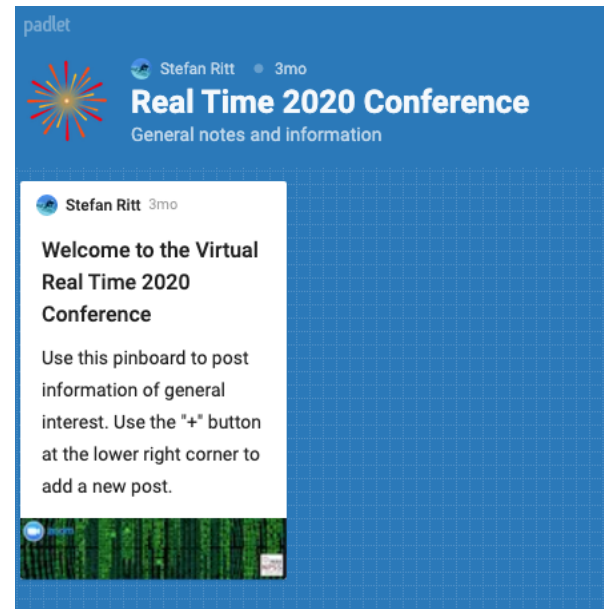
### Pinboard

A virtual pinboard can be accessed via the link below. We Attendees are also able to post entries, like job openings

Alternatively, you can access the pinboard from your sma



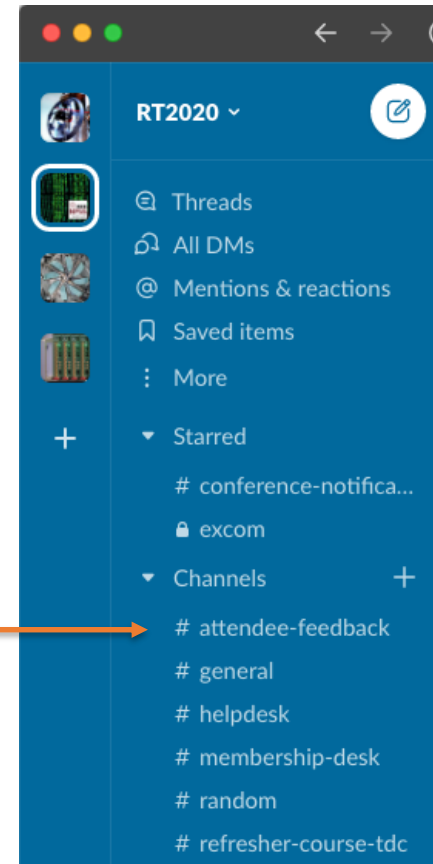
Access pinboard



# Feedback

## *How to improve the conference?*

- ▶ Substitute for old “surveys”
- ▶ Send feedback immediately, including ideas how to improve the conference
- ▶ I’m constantly monitoring this channel
- ▶ Let’s work together to make the best out of our virtual conference



# Membership Desk

## “Virtual” version

- ▶ Become an IEEE and NPSS member
- ▶ Get a big discount if you sign up during the conference (1y free for students, 50% off for professionals)
- ▶ Why should I be a member?
  - Support this conference
  - Join special groups such as WIE and YP
  - Become eligible for awards
  - Join a committee, review papers, help organizing this conference, enhance your CV!
  - Cost savings for next conference
- ▶ Learn more at the membership desk

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- Timetable
  - Week overview
  - List Style
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  - Explanation about Timezones
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- Membership Desk**
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  - How to restrict access to your presentation
- Publications
- Student Paper Awards
- Non-Discrimination Code of Conduct
- IEEE Privacy Policy
- IEEE Event Terms and Conditions

## IEEE NPSS Virtual Membership Desk



During the duration of the conference, you can become an IEEE and NPSS member. We offer one year free membership for students, and 50% discount on IEEE membership (plus free NPSS membership) for professionals. If you want to learn more, please contact [Albe Larson <Albe.Larson@ieee.org>](mailto:Albe.Larson@ieee.org) and schedule an interactive Zoom meeting with her. You can then learn all the benefits by going to [Get Zoom Room](#).

Here are a few of the benefits you receive as an IEEE NPSS member:

- Be a member of the largest professional society with more than 400'000 members world-wide (more than 50% outside North America!)
- Support the organization of this conference to ensure its quality in the future.
- Support our society and improve your networking
- Join extra groups such as Women in Engineering or Young Professionals
- Receive student grants and child care assistance for various conferences
- Become eligible for various NPSS and IEEE awards
- Register for on-line courses only offered for our members
- Become an IEEE Senior Member or even an IEEE Fellow
- Improve your interdisciplinary competences through our conferences and publications
- Join a committee, review papers, help organize conferences to enhance your CV!
- Learn scientific and social skills, get management education by volunteering for conferences and paper reviews, where you can bring in your new ideas.
- Significant cost savings at conference registration.

### Hours of the Membership Desk

Mon Oct 12, 16:20-17:00 UTC (During poster session) [9:20-10:00 US/Pacific]

Tue Oct 13, 16:05-16:45 UTC (During poster session) [9:05-09:45 US/Pacific]

and upon request to [Albe Larson <a.m.larsen@ieee.org>](mailto:Albe.Larson@ieee.org)

# Industrial Exhibit

## “Virtual” version

- ▶ Meet five vendors in their Zoom room
- ▶ Available during poster sessions and coffee breaks
- ▶ Some vendors will show running equipment!
- ▶ Vendor pitch Tue 13, Wed 14, Thu 15
- ▶ Zoom rooms stay open until end of this month



**Industrial Exhibit**

The organizers are proud to present one of the first virtual industrial exhibits. Much like a traditional conference, each vendor has a virtual "booth" where the vendor can be contacted by attendees during the poster sessions and other times. In addition, vendors can opt for a 10-minute "pitch" where they can feature their recent technologies during a shared session.

**Virtual Vendor Booth**

Each vendor has a virtual booth which is presented below on this page. During the poster sessions and "virtual coffee breaks", attendees can contact each vendor by clicking on the Zoom link which brings them to the vendor's private Zoom room. Vendors will not be available on every day of the conference, but will be there when they respond to the website key that is provided to you. Vendor availability is still in progress.

Vendors are invited to use Zoom "meeting rooms" to distribute content to several vendor representatives, any vendor that having several small talks at a hallway booth. Vendors can show equipment on live video and distribute data sheets on the sharing through the Zoom chat window. If a vendor booth is "too crowded", vendors can decide to make scheduled appointments with customers at different times. Care should however be taken not to overlap those times with library presentations.

**Customer Contact**

Other vendors need to come back to customers with some detailed technical information in special offices. Every attendee is therefore kindly asked to identify themselves to the extent of the beginning of the Zoom session by sending an email to the vendor on the Zoom chat window.

**Vendor Pitch**

Attendees can opt for a 10-minute "vendor pitch" which is a live or pre-recorded presentation to be shown in the poster session. The vendor pitch can contain the video highlights and products from that company. Before their speaking time, should attendees opt for these slots, vendors are encouraged to show a banner to tell the attendees why they should come to their virtual booth space.

**XPIA**  
Instruments That Advance The Art

Contact: <https://www.xpia.com>

Zoom Room: [Link](#)

Availability: TBD

**Innovation E-Communication**

S.U.T. - the experts for high performance data and telecom solutions

Contact: <https://www.innovation.com>

Zoom Room: [Link](#)

Availability:  
Monday 13 11:00-12:00 GMT  
Tuesday 14 11:00-12:00 GMT  
Wednesday 15 11:00-12:00 GMT  
Thursday 16 11:00-12:00 GMT  
Friday 17 11:00-12:00 GMT  
Saturday 18 11:00-12:00 GMT  
Sunday 19 11:00-12:00 GMT

or on request: [info@innovation.com](mailto:info@innovation.com)

**CAEN**  
Tools for Discovery

Contact: <https://www.caen.it/>

Zoom Room: [Link](#)

Availability: TBD

**microTCA**  
TECHNOLOGY LAB

Contact: <https://www.micrta.com>

Zoom Room: [Link](#)

Availability: TBD

**W-I-E-N-E-R**  
A Fluorinac Molecules Company

Contact: <https://www.wiener.com>

Zoom Room: [Link](#)

Availability: TBD

Help | Contact | Terms and conditions | LMS | Newsletter

# Poster Sessions

## How to translate a poster session into the virtual space?

- ▶ Three poster sessions A, B and C, **rotating** three times e.g. B-1, B-2, B-3 for different time zones
- ▶ Please be **present** at least in one session to **qualify for publication in TNS**, better twice
- ▶ Mini orals → Micro orals (1 min pitch for each poster)
- ▶ Late micro orals on on Indico
- ▶ Write down poster ID (shown in lower left corner) to visit that poster later
- ▶ Visit Zoom room of poster presenter via “Poster List”
- ▶ “Hop” between different posters
- ▶ Poster presenters can show poster, slides, video, or even live equipment!
- ▶ **Register your poster room if not yet done so**  
→ “Presentation Instructions”

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### Poster List

List of Posters with Zoom links

**Poster Session A**

Id #	Presenter	Zoom link	Title
4	Marc-André Tétrault	<a href="#">Zoom link</a>	Integration of a Network Synchronized Motion 1
10	Silvia Biondi	<a href="#">Zoom link</a>	Cooling & Timing Tests of the ATLAS Fast Tracker
33	Vardan Gyurjyan	<a href="#">Zoom link</a>	Streaming Mode Data Acquisition at Jefferson Li
36	Dariusz Makowski	<a href="#">Zoom link</a>	Novel Digital Camera with the PCIe Interface
50	Eduardo Valdes Santurio	<a href="#">Zoom link</a>	Redesign of the ATLAS Tile Calorimeter link Daq
51	Eduardo Valdes Santurio	<a href="#">Zoom link</a>	Performance of the ATLAS Hadronic Tile Calorim
62	Wolfgang Hennig	<a href="#">Zoom link</a>	White Rabbit Time Synchronization for Radiatio
66	Arnaud Samson	<a href="#">Zoom link</a>	Characterization of Zynq-Based Data Acquisition
74	Silvia Biondi	<a href="#">Zoom link</a>	The FragmentatiOn Of Target Experiment (FOOT
98	Adriano Francesco Luchetta	<a href="#">Zoom link</a>	Integration of control, investment protection an
108	Victor Costa	<a href="#">Zoom link</a>	Application of heterogeneous computing techni
111	Andrea Rigoni Garola	<a href="#">Zoom link</a>	Diagnostic data integration using deep neural ne
115	Yves-Marie ABIVEN	<a href="#">Zoom link</a>	PandABox: Real-time Processing Platform for Sc
127	Marcos Turqueti	<a href="#">Zoom link</a>	Methods in Quench Detection for Advance Supr
136	Dmytro Levit, Stefan Huber	<a href="#">Zoom link</a>	Performance of the DHH readout system for the
143	Tomonori Takahashi	<a href="#">Zoom link</a>	Data acquisition system in Run0 of the J-PARC E
150	Pierre-Alexandre PettJean	<a href="#">Zoom link</a>	Automatic test system of the back-end card for
151	Filippo Marini	<a href="#">Zoom link</a>	Design and implementation of a digital CDR in F
154	Chris Cuevas	<a href="#">Zoom link</a>	A VXS [VITA41] Trigger Processor for the 12GV

# ”Coffee”-breaks

*Don't pour your coffee into your laptop!*

- ▶ A virtual conference misses the social interaction
- ▶ Why not having a “virtual” coffee break:
  - Everybody brings their own coffee, tee, beer, ...
- ▶ Method 1:
  - Conference will publish 20 general Zoom rooms, named after cities
  - Meet with your friends in one of the published coffee rooms, agree via Slack or email with each other
  - Planned for this Friday
- ▶ Method 2:
  - All attendees will be distributed randomly into 50 “breakout” rooms
  - Start chatting with each other: Introduce yourself, where you live, how is the Covid-19 situation?
  - Scheduled for next week
- ▶ Let me know how this works or if you have any better idea

## Coffee Room List

Please coordinate and meet in one of our virtual coffee rooms during the coffee breaks:

Name	Link
Honolulu	<a href="#">Link</a>
Vancouver	<a href="#">Link</a>
New York	<a href="#">Link</a>
Berlin	<a href="#">Link</a>
Paris	<a href="#">Link</a>
Rome	<a href="#">Link</a>
Beijing	<a href="#">Link</a>
Saigon	<a href="#">Link</a>
Tokyo	<a href="#">Link</a>



# Watching content off-line

- ▶ All plenaries will be recorded (please complain if you do not want your talk being recorded!)
- ▶ Links to the recorded videos will be put in indico timetable the next day
- ▶ Allows you watch you talks off-line and at different times
- ▶ Links will **only** be available to attendees
- ▶ Recordings will be **deleted** at the end of the month





# Awards

- ▶ TNS best paper award: After this presentation
- ▶ CANPS award: Thursday 15 beginning of session
- ▶ Student paper awards: Last day of the conference

# Publications

1. Posters, slides will be kept on Indico
2. Conference Record collected via Indico
3. IEEE Transaction on Nuclear Sciences (TNS) special Issue
  - Hear more from Sascha Schmeling afterwards
  - Visit the “Publications” page on our website

**Enjoy the conference!**