39th IEEE Real-Time Systems Symposium (RTSS)
11th -14th December 2018
Nashville, Tennessee, USA

Sponsored by the IEEE Computer Society
Technical Committee on Real-Time Systems

http://2018.rtss.org/

Welcome to the 39th IEEE Real-Time Systems Symposium (RTSS 2018)

Program Chair: Robert Davis, University of York / Inria
General Chair: Isabelle Puaut, Université de Rennes 1 / IRISA
Local Organizer: Aniruddha (Andy) Gokhale, Vanderbilt University
General Organization

GENERAL CHAIR: Isabelle Puaut, University of Rennes/IRISA, France
EX-OFFICIO (TC CHAIR): Chenyang Lu, Washington University St. Louis, USA
FINANCE CHAIR: Gabriel Parmer, George Washington University, USA.
LOCAL ORGANIZER: Aniruddha Gokhale, Vanderbilt University, USA
LOCAL ORGANIZATION TEAM:
Shelly Wolf, Sara Maddox, Amy Karns (Graphic Design),
Abhishek Dubey, Taylor Johnson, and Zhenkai Zhang, Vanderbilt University
INDUSTRIAL RELATION CHAIR: Scott Brandt, University of California, Santa Cruz, USA

Sponsors
Technical Program Organization

PROGRAM CHAIR: Robert I. Davis, University of York, UK and Inria, France
TRACK CHAIR: Tulika Mitra, National University of Singapore, Singapore

WORKSHOPS CHAIR: Liliana Cucu-Grosjean, Inria Paris, France
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PUBLICATIONS CHAIR: Geoffrey Nelissen, CISTER / ISEP, Porto, Portugal
WEB CHAIR: Harini Ramaprasad, University of North Carolina at Charlotte, USA

ERDN Workshop Chairs: Huayu Zhang and ChinaHui Li
TREC4CPS Workshop Chairs: Aron Laszka and Abhishek Dubey
WMC Workshop Chairs: Zhishan Guo and Jing Li

All of the people who served on the various Program Committees
Governance and Transparency

See http://2018.rtss.org/transparency/

New for RTSS 2018

Later submission deadline 31st May
Shorter Presentation Slots (20 + 5 mins)
More Papers and More Presentations!
Technical Program in Numbers
166 full papers submitted (+27% on 2017)
51 PC members, 123 secondary reviewers
4 reviews per paper
37 accepted papers (22.3% acceptance rate)
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Diversity Action

Include more female researchers on the PC (on the basis of merit)

\[
12/51 = 23.5\%
\]

Submissions

No statistically significant differences in acceptance rate for papers on the basis of gender or student status (first author)
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Technical Program Highlights

3 Workshops (yesterday)
Award speech
16 Brief Presentations
7 RTSS@Work demos
Poster reception
Industry panel
12 sessions culminating with the outstanding papers

Program details are on the web: http://2018.rtss.org/program/
and in the conference booklet
<table>
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<th>Weds 12th Dec</th>
<th>Thurs 13th Dec</th>
<th>Fri 14th Dec</th>
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<tr>
<td>9:30 -10:20 – SESSION 1: NETWORKS</td>
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<td>12:30 – 14:00 – LUNCH (Atrium Lobby)</td>
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<td>15:40 – 16:10 – COFFEE BREAK (Pre-function area)</td>
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<td>18:00 – POSTERS AND DEMOS RECEPTION (Boone)</td>
<td>18:30 -22:00 – MUSEUM VISIT AND BANQUET (Country Music Hall of Fame)</td>
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Prizes and Awards

4 Outstanding papers
(form shortlist for Best Paper and Best Student Paper)

Best Paper Award
Best Student Paper Award
Best Presentation Award
Awards given at the close of the conference

Artefact Evaluation

(look out for the badge on papers and presentations)
Locations and Rooms

- Conference (8:40 start)
  Crockett (sessions 1-11)
  Bredesen (session 12)

- Coffee Breaks (10:20 and 15:40)
  Pre-function area

- Lunch (12:30): Atrium Lobby

- Poster reception (18:00 Weds): Boone

- TCRTS meeting (17:30 Thurs): Crockett
  Open to all

- Museum visit and banquet (18:30 Thurs)
  Country Music Hall of Fame
  Meet at 18:25 in the lobby
Logistics

• Presenters please meet with your session chair 15 minutes before the session starts to check your slides and understand the AV equipment.
• Session chairs are listed online at [http://2018.rtss.org/program/](http://2018.rtss.org/program/) and in the booklet.

Badges

• Your badge is how the hotel and banquet venue know who is eligible for meals.
• Please wear your badge all the time and take care not to lose it.
• Drinks tickets needed for the Poster reception.
• Letter of attendance (if requested) is with the badge.

Meals

• Please ask for meals matching your requirements given at registration e.g. vegetarian, kosher etc. (Otherwise we may be required to pay for extra meals).

Banquet tickets

• If you are not using your banquet ticket, please hand it back to the registration desk.
• If you are looking for an extra banquet ticket then please ask at the registration desk.
• On Thursday, meet in the hotel lobby at 18:25 to go to the banquet.
All the info you need about the conference
See the conference booklet (Wifi details on page 5 of hardcopy)

In case of any difficulties
Ask the local organizers
(student volunteers wear white t-shirts with the logo)
We have a fantastic program for RTSS 2018
Thanks again to everyone who helped in the organization
To all the authors for submitting papers
And to all of you for participating (total of 180 attendees)

Enjoy the conference!

Sneak preview
RTSS 2019 is in Hong Kong
3-6th Dec 2019 (tentative)
Submission deadline 30th May
only 170 days to go!
IEEE TCRTS Outstanding Technical Achievement and Leadership Award Speech

Tei-Wei Kuo
Distinguished Professor,
Department of Computer Science and Information Engineering,
National Taiwan University, Taiwan

Real-Time Computing and the Evolution of Embedded System Designs