

# 26<sup>th</sup> Irish Conference on Artificial Intelligence and Cognitive Science (AICS'18)



December 6-7th 2018  
Trinity College Dublin, Long Room Hub  
<http://aics2018.scss.tcd.ie>

The 26th Irish Conference on Artificial Intelligence and Cognitive Science will be hosted by the Trinity College Dublin School of Computer Science and Statistics, the School of Psychology and Institute of Neuroscience and will take place at the Trinity Long Room Hub on the TCD Campus, from 6-7th December 2018. With regular conferences dating back to 1988, the AICS Conference is Ireland's primary forum for researchers with interests in the fields of Artificial Intelligence and Cognitive Science. While once a niche area, the fields of Cognitive Science and Artificial Intelligence, which encompass Data Analytics, Information Retrieval, and Machine Learning, are now at the forefront of Irish computing research and industry.

## Call for Participation

The Program Committee of [AICS 2018](#) invites submissions in the broad areas of Artificial Intelligence and Cognitive Science. Areas of interest include, but are not restricted to:

Causal inference	Deep learning & neural networks	Moral judgment
Computer vision	Dialogue systems	Natural language processing
Concept combination	Intelligent agents	Perception
Counterfactuals	Knowledge representation & reasoning	Planning & scheduling
Creative cognition	Machine learning	Reasoning
Decision making	Machine translation	Recommender systems
Deduction		Semantic web

We also seek papers in related application domains such as opinion mining, adaptive information systems, robotics, visual analytics and game-playing. This year, the conference has a special focus application area of: **AI and Cognitive Science Applications in Digital Humanities**.

We invite three types of submissions. All accepted submissions will appear in online proceedings published at [www.ceur-ws.org](http://www.ceur-ws.org).

1. **Full Paper Track:** Full paper submissions should consist of original contributions (describing either basic research, interesting applications, or reviews of the field) not published in other forums. Papers should be of 6 to 12 pages in length in the Springer LNCS style. Accepted

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2. **NECTAR Track:** NECTAR track submissions should describe significant results previously published or disseminated no earlier than 2015 at a prestigious international conference or journal. Accepted submissions will be included in online proceedings as a single page abstract, and authors will be invited to present their work orally at AICS.
3. **Student Track:** This track is designed to facilitate students who have recently completed a Bachelor's or Master's programme with a dissertation component. Student track submissions should consist of original contributions (describing either basic research or interesting applications) and the first author must be the student upon whose dissertation the paper is based. Papers should be of 6 to 12 pages in length in the Springer LNCS style. Accepted submissions will appear in the online proceedings and authors will be invited for poster presentation.

## Important Dates

- Paper Submission Deadline for all Tracks — 30th September
- Acceptance Notification for NECTAR-Papers — 14th October 2018
- Acceptance Notification for Full Papers — 31st October 2018
- Acceptance Notification for Student Track Papers — 31st October 2018
- Camera Ready Submissions (all tracks) — 14th November 2018
- Conference — 6th-7th December 2018

## Instructions to Authors

All accepted submissions will be presented at the conference, either orally or as posters, and included in the online conference proceedings. At least one author of each submission will be required to register for, and attend, the conference. All submissions should be made using the EasyChair system <https://easychair.org/conferences/?conf=aics2018>.

Full papers and student papers should be submitted in Springer LNCS format (single column proceedings), which is also the format required for the final camera-ready copy <http://www.springer.com/computer/lncs/lncs+authors>. A sample LaTeX document in this format is available at <http://aics2018.scss.tcd.ie/aics-latex-sample.zip>.

NECTAR track submissions should consist of a single page with an abstract and reference to the original publication. A sample NECTAR track submission is available here: <http://aics2018.scss.tcd.ie/aics-nectar-sample.zip>.

Questions regarding submissions should be sent to [aics2018@scss.tcd.ie](mailto:aics2018@scss.tcd.ie) or contact us on Twitter at [@AICScConference](https://twitter.com/AICScConference).

## Committees

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## Contact

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