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Association for  
Computing Machinery

*Advancing Computing as a Science & Profession*



# C&C 2017

Proceedings of the 2017 ACM SIGCHI Conference on  
Creativity and Cognition

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**National Gallery Singapore, Art Science Museum, JetBrains,  
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# Welcome to ACM C&C 2017 in Singapore!

Welcome to the Association for Computing Machinery Creativity & Cognition 2017 conference. We are thrilled to host this year's conference series in the Lion City of Singapore; this is the first time ACM C&C comes to Asia. Singapore is home to 5.5 million multicultural people and, in addition to being a global shipping and financial center and having a tropical climate, it is globally renowned for its technology, modern culture, and Asian art scene. Beyond this, Singapore hosts one of the most amazing culinary scenes in the world where any meal, inexpensive or pricey, will be a great experience.

The 2017 conference is being held downtown with the technical program at the National Gallery of Singapore with its corresponding art exhibit at the ArtScience Museum. The National Gallery was opened in 2015 built from two former national monuments, the former Supreme Court Building and old City Hall. The first of its kind ArtScience Museum will host the art exhibition for a week; it's building, designed by Moshe Safdie to resemble a lotus flower, sits a short walk away from the National Gallery on the Marina Bay.

We will start the week on Tuesday the 27th of June with our workshops and graduate student symposium. The technical program will start the next day with a reception hosted in the National Gallery's deck with sweeping views of downtown. Thursday evening will take us to the ArtScience Museum to see our exhibit and performances. This year's conference theme is Lifelong Creativity, Learning, and Innovation. The theme reflects our belief that creativity is a lifelong pursuit rather than a transient goal and we have an amazing program following that theme. The theme is fueled by world-renowned keynote speakers: Kumiyo Nakaoji from Kyoto University, Elizabeth F. Churchill from Google, and an award winning Singaporean comic artist/illustrator Sonny Liew.

Nothing happens in a vacuum and we have to thank our core organization committee who all contributed to the conference's success: Ellen Do, Alex Mitchell, Brian Bailey, Aisling Kelliher, Steven Dow, Markéta Dolejšová, Marcia Nancy Mauro-Flude, Honor Harger, Michael Bernstein, Cati Boulanger, Elizabeth F. Churchill, Kurt Luther, Lee Jung Joo, Will Odom, Jochen Huber, Pablo Cesar, and Christie Han.

As General Chairs, we also thankful for local support and cooperation from the Singapore Tourism Board, the National Gallery, and the ArtScience Museum.

Shiok!

**David A. Shamma**, Centrum Wiskunde & Informatica, Amsterdam.

**Jude Yew**, National University of Singapore, Singapore.

*ACM C&C 2017 General Chairs*

**Ellen Yi-Luen Do**, National University of Singapore & Georgia Tech

*ACM C&C 2017 Associate Chair*