

CS Seminar

Past Forward: When Computer Graphics and Archaeology meet

Professor Ayellet Tal
Department of Electrical Engineering
Technion

Date:

November 27, 2018
Tuesday
2:30 pm

Venue:

Room 328
Chow Yei Ching Building
The University of Hong Kong

Abstract:

Technology is the symbol of our age. Nevertheless, some fields have been left out of the revolution. One of these is archaeology, where many tasks are still performed manually - from the initial excavations, through documentation, to restoration.

It turns out that some of these activities are classical computer graphics (and/or computer vision) tasks, such as puzzle solving, shape completion, matching and edge detection. The objects, however, are much harder to deal with than usual, since they are broken and eroded after laying underground for thousands of years. Therefore, being able to handle these objects benefits not only archaeology, but also computer graphics.

In this talk I will describe some of the algorithms we have developed to replace manual restoration and documentation.

About the Speaker:

Ayellet Tal is a professor in the Department of Electrical Engineering at the Technion. She holds a Ph.D. in Computer Science from Princeton University and a B.Sc degree (Summa cum Laude) in Mathematics and Computer Science from Tel-Aviv University. Her research interests include computer graphics, computer vision and information visualization.
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