# When nanocarbon dreams come true

# **David Tománek**

Michigan State University, USA

Colloquium at the University of Johannesburg, South Africa

June 29, 2023, 12:00 noon

# Topics:

- What is Nanotechnology?
- Nanotechnology dreams
  - O At the crossroads of Physics, Chemistry, Biology and Engineering
  - O From making small to self-assembly
- Nanotechnology in our society
  - O Cost and value of Science
  - O Limited value of artificial Intelligence (AI)
  - O Scientific responsibility
  - O Bad actors: Corruption in Science
- How far have we come?
  - O Miracles of elemental carbon in 0, 1, 2, and 3 dimensions
- Real Life: Can Nanotechnology save YOUR grandmother?
  - O How to desalinate sea water to make it drinkable?
  - O Do we have alternatives for reversible energy storage?

### About the Author:

https://en.wikipedia.org/wiki/David\_Tom%C3%A1nekhttps://nanoten.com/tomanek/abstracts/tomanek-narrative-bio-sketch.pdf

## Ethics in Science:

https://nanoten.com/tomanek/manuscripts/DT211.pdf https://nanoten.com/tomanek/manuscripts/DT239.pdf https://nanoten.com/texts/Corruption.html