Report on IEEE CIS DL “Design Optimization Inspired by Nature” by Prof. Alice Smith of Auburn University

A IEEE Computational Intelligence Society (CIS) distinguished Lectures series was successfully completed on 27\textsuperscript{th} Jan 2021 at 7:30 PM (IST). The topic of the talk was “Design Optimization Inspired by Nature”. The speaker for the said DL was Prof. Alice Smith from Auburn University. The talk was attended by 61 participants comprising faculty members, research scholars and students out of which 7 were active IEEE members. The talk started with the challenges in analysis and design of engineering systems and followed by some nice case studies in facility planning and drone system.

The event ended with vote of thanks from present IEEE CIS chair Prof. Tandra Pal.
Case Studies

- Fire station location in Auburn, AL USA
  - 33 demand points
  - There are currently 5 fire stations
- Solid waste transfer stations in Mexico City
  - 7,685 demand points
  - There are currently 12 transfer stations

On the Fly Drone Placement