## **ICTS** Bangalore

## Collective Dynamics of Complex Systems

Instructor: R Ramaswamy 18-22 September 2023

## **Bibliography**

- 1. Huygens's Clocks, M Bennett et al., Royal Society Proceedings: Mathematical, Physical and Engineering Sciences, 458, 563 (2002)
- 2. Synchronization of metronomes, J Pantaleone, American Journal of Physics **70**, 992 (2002)
- 3. The Kuramoto model: A simple paradigm for synchronization phenomena, JA Acebrón et al., Reviews of Modern Physics, 77, 138 (2005)
- 4. Complete Devil's Staircase, Fractal Dimension, and Universality of Mode-Locking Structure in the Circle Map, MH Jensen, P Bak, and T Bohr, Physical Review Letters, 50, 1637 (1983)
- 5. Low dimensional behavior of large systems of globally coupled oscillators E Ott and TM Antonsen, Chaos 18, 037113 (2008)
- 6. Synchronization of chaotic systems and invariant manifolds, K Josic Nonlinearity 13, 1321 (2000)
- 7. The mathematics behind chimera states, OE Omelchenko, Nonlinearity **31**, R121 (2018)
- 8. Amplitude Death: The emergence of stationarity in coupled nonlinear systems, G Saxena, A Prasad, and R Ramaswamy, Physics Reports **521**, 205 (2012)
- 9. Aging Transition and Universal Scaling in Oscillator Networks, H Daido and K Nakanishi, Physical Review Letters, **93**, 104101 (2004)
- Quenching, aging, and reviving in coupled dynamical networks, W Zou, DV Senthilkumar, M Zhan, J Kurths, Physics Reports 931, 1 (2021)