Yuri Maistrenko

List of Publications

Books

1. **Chaotic Synchronization: Application to Living Systems**
   E.Mosekilde, Yu.Maistrenko and D.Postnov. World Scientific, 2002, 440pp.

2. **Difference Equations and their Applications**
   A.N.Sharkovsky, Yu.L.Maistrenko, E.Yu.Romanenko. Naukova Dumka, Kiev, 1986, 280 p. Russian. Kluwer A.P., 1993, 358 p. English.

3. **Synchronization: Theory and Application**
   Editors: A. Pikovsky and Yu. Maistrenko; Kluwer Acad.Publ., 2003.

Peer reviewed

1. P. Jaros, R. Levchenko, T. Kapitaniak, and Yu. Maistrenko. Chimera states for directed networks. *Chaos* 31, 103111, 1-7 (2021).

2. S. Brezetsky, P. Jaros, R. Levchenko, T. Kapitaniak, and Yu. Maistrenko. Chimera complexity. *Phys. Rev.* E 103, L050204, 1-6 (2021).

3. R. Berner, S. Yanchuk, Yu. Maistrenko, and E. Schll. Generalized splay states in phase oscillator networks. *Chaos* 31, 073128, 1-12 (2021).

4. F. Hellman, P. Schultz, P. Jaros, R. Levchenko, T. Kapitaniak, J. Kurths, and Yu. Maistrenko. Network induced multistability: Lossy coupling and exotic solitary states. *Nature Communications* 11, 592 (2020).

5. V. Maistrenko, O. Sudakov, and Yu. Maistrenko. Spiral wave chimeras for coupled oscillators with inertia. *Europ. Phys. J. Spec.Topics* 229, 23272340 (2020).

6. P. Ebrahimzadeh, M. Schiek, P. Jaros, T. Kapitaniak, S. van Waasen, and Yu. Maistrenko. Minimal chimera states in phase-lag coupled mechanical oscillators. *Europ. Phys. J. Spec.Topics* 229, 2205-2214 (2020).

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8. Y. Duguet and Yu. Maistrenko. Loss of coherence among coupled oscillators: From defect states to phase turbulence. *Chaos* 29, 121103, 1-9 (2019).

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10. D. Brunner, B. Penkovsky, R. Levchenko, E. Schöll, L. Larger, and Yu. Maistrenko. Two-dimensional spatiotemporal complexity in dual-delayed nonlinear feedback systems: Chimeras and dissipative solitons *Chaos* 28, 103106 (2018).

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12. V. Semenov and Yu. Maistrenko. Dissipative solitons for bistable delayed-feedback systems. *Chaos* 28, 101103 (2018).

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14. P. Jaros, S. Brezetsky, R. Levchenko, D. Dudkowski, T. Kapitaniak, and Yu. Maistrenko. Solitary states for coupled oscillators with inertia. *Chaos* 28, 011103 (2018).

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