## ***T. Şengör's Publications List Related to the Presentation in EGU25-988***


1- T. Şengör, (2023a). The Universally Compact Multi-Networks Bundle of the Nature: the clustering machinery approachable self-controlling and self-building mechanisms in natural processes, physical universes, and their ingredients. APS April Meeting 2023 (**submitted**).

2- T. Şengör, (2022a). "Virtual Earthquakes Cooperating with Natural Hazards and Simultaneously Scheduled Seismic Activities," EGU 2022 (**presented**)/

3- T. Şengör, (2022d). "The self-controlling mechanisms in natural processes, events, ingredients, and behaviors," APS April Meeting 2022 (**presented**).

4- T. Şengör, (2022e). "Wave Propagation Processes Coupling with Ionospheric and/or Space Charge Irregularities Cooperating Together the Weather Activities: The Phantom Signal Effects in Communication Processes from Irregular Plasma," *3rd URSI AT-AP-RASC, Gran Canaria, 29 May – 3 June 2022* (**presented**).

5- T. Şengör, (2022f). "The Conditional Contributions of Electromagnetism and QED To Natural Hazards in Both Nano and Macro Cosmic Scales," **Solicited** paper, EGU 2020, https://presentations.copernicus.org/egu2020/egu2020-21121_presentation.pdf (**presented**).

6- T. Şengör, (2019c). The Globally Compact Multi-Network of the Earth: the self-controlling mechanisms in natural hazards above significant level. *Geophysical Research Abstracts,* 21, EGU2019-17127,2019. http://meetingorganizer.copernicus.org/EGU2019/EGU2019-17127.pdf (**presented**).

7- T. Şengör, "The Compact System Electromagnetically Equivalent to the Earth's Natural Events and Disasters with Application to Seismic Processes: The Completely Compact Electromagnetically Equivalent Earth Network (CCEEEN)," 34th URSI GASS, 28 August- 4 September 2021, Rome, Italy (**presented**).

8- T. Şengör, "The Coupling-Transplantation Effect (CTE) and Differential Analytical-Physics-Topology Principle (DAPTP) in Ionospheric-AtmosphericOceanographic-Climatic-Seismic Processes Complex (IAOCSPC) with Observations in Specific Istanbul Domain Topology (SIDT)," EGU General Assembly, 2020, doi:10.5194/egusphere-egu2020-22589, https://presentations.copernicus.org/egu2020/egu2020-22589_presentation.pdf (**presented**).

9- T. Şengör, The Mechanisms of Interactions of Irregularly Oscillating Bodies by Electromagnetic Waves, Paper in Monograph Book Title: Electromagnetic Phenomena Related to Earthquake Prediction. Eds.: M. Hayakawa and Y. Fujinawa, TERRA Pub. Comp., Tokyo, pp.: 647-666, 1994, https://www.abebooks.com/first-edition/Electromagnetic-Phenomena-Related-Earthquake-Prediction-HAYAKAWA/11476231477/bd.

10- T. Şengör, "The electromagnetic device optimization modeling of seismo-electromagnetic processes for Marmara Sea earthquakes," European Geosciences Union, Geophysical Research Abstracts, Vol. 10, EGU2008-A-00847,2008, SRef-ID: 1607-7962/gra/EGU2008-A-00847, pp.: 1-2, European Geosciences Union General Assembly 2008, Vienna, Austria, 13-18 April 2008, http://meetingorganizer.copernicus.org/www.cosis.net/abstracts/egu2008/00847/egu2008-a-00847.pdf, http://www.fig.net/organisation/comm/5/library/reports/Report%2024th%20General%20Asembly%20of%20IUGG%20-%20Rudolf%20Staiger.pdf (**presented**).

11- T. Şengör, ""The Conditional Contributions of Electromagnetism and QED To Natural Hazards in Both Nano and Macro Cosmic Scales,"," Solicited paper, European Geosciences Union, Geophysical Research Abstracts, EGU2020-21121, 2020, European Geosciences Union General Assembly 2020, Vienna, Austria, 4-8 May 2020, https://doi.org/10.5194/egusphere-egu2020-21121, https://presentations.copernicus.org/EGU2020/EGU2020-21121_presentation.pdf (**presented**).

12- T. Şengör, "The Electromagnetically Equivalent Complex Network Modeling of Compact Seismo-Climatic Processes for the Complete Earth," Solicited paper, European Geosciences Union, Geophysical Research Abstracts, Vol. 11, EGU2009-01264,2009, European Geosciences

Union General Assembly 2009, Vienna, Austria, 19-24 April 2009, http://meetingorganizer.copernicus.org/egu2009/egu2009-01264.pdf (**presented**, KRTA).

13- T. Şengör, "Analytical Conditions for Compact Earthquake Prediction Approaches," Solicited paper, European Geosciences Union, Geophysical Research Abstracts, Vol. 11, EGU2009-11609,2009, European Geosciences Union General Assembly 2009, Vienna, Austria, 19-24 April 2009, http://meetingorganizer.copernicus.org/egu2009/egu2009-11609.pdf (**presented**).

14- T. Şengör, "Seismic and Climatic Anomalies and Earthquakes Possibly Correlated to Electromagnets of LHC Project Experiment Processes," Solicited paper, European Geosciences Union, Geophysical Research Abstracts, Vol. 11, EGU2009-11631,2009, European Geosciences Union General Assembly 2009, Vienna, Austria, 19-24 April 2009, http://meetingorganizer.copernicus.org/egu2009/egu2009-11631.pdf (**presented**).

15- T. Şengör, "The Universally Compact Multi-Networks Bundle of the Nature: the clustering machinery approachable self-controlling and self-building mechanisms in natural processes, physical universes, and their ingredients," APS April Meeting 2023, https://meetings.aps.org/Meeting/APR23/ (**submitted**).

16-

17- OPIM -**06.** Taner **ŞENGÖR**, "Wave Propagation Processes Coupling with Ionospheric and/or Space Charge Irregularities Cooperating Together the Weather Activities: The Phantom Signal Effects in Communication Processes from Irregular Plasma," *3rd URSI AT-AP-RASC, Gran Canaria, 29 May – 3 June 2022*, https://www.ursi.org/proceedings/procAT22/ATAPRASC2022-papers/RVJXQ0P4V0.pdf, https://www.ursi.org/proceedings/procAT22/ATAPRASC2022-prog-com.html (**presented**).

18- T. Şengör, "Virtual Earthquakes Cooperating with Natural Hazards and Simultaneously Scheduled Seismic Activities," EGU General Assembly 2022, EGU22-12275

19- https://doi.org/10.5194/egusphere-egu22-12275 (**presented**).

20- T. Şengör, "Natural Cooperation of Seismic Activities Related Wave Propagation on the Worldwide Pandemics Processes," EGU General Assembly, 2021, EGU21- 16480, https://meetingorganizer.copernicus.org/EGU21/session/39004 (**presented**).

21- T. Şengör, "The Coupling-Transplantation Effect (CTE) and Differential Analytical-Physics-Topology Principle (DAPTP) in Ionospheric-AtmosphericOceanographic-Climatic-Seismic Processes Complex (IAOCSPC) with Observations in Specific Istanbul Domain Topology (SIDT)," EGU General Assembly, 2020, doi:10.5194/egusphere-egu2020-22589, https://presentations.copernicus.org/EGU2020/EGU2020-22589_presentation.pdf. (**presented**).

22- T. Şengör, "The Globally Compact Multi-Network of the Earth: the self-controlling mechanisms in natural hazards above significant level," *Geophysical Research Abstracts*, 21, EGU2019-17127,2019. http://meetingorganizer.copernicus.org/EGU2019/EGU2019-17127.pdf (**presented**).

23- T. Şengör, "Electromagnetically Equivalent Dynamic Model of Seismic and Atmospheric and Ionospheric Conjoined Network of Türkiye: the State Space Approach," XXXth General Assembly and Scientific Symposium of International Union of Radio Science, URSI GASS 2011, Taksim, Istanbul, Türkiye, 13-20 August 2011, doi:10.1109/URSIGASS.2011.6050951 (**presented**).

24- T. Şengör, "The observational findings before the great earthquakes of December 2004 and the mechanism extraction from associated electromagnetic phenomena," XXVIIIth General Assembly of the International Union of Radio Science, URSI GA 2005 Abstracts Book, COM5-01443-2005; Conference CD, URSI New Delhi 2005, paper no. COM5-01443-2005, New Delhi, India, 23-29 October 2005, http://www.ursi.org/proc%20procga05/pdf/egh.9%20(01443).pdf (**presented**).

25- T. Şengör, "Irregular Oscillation Model in Earthquake and the Essentials of Effective Earthquake Prediction by electromagnetic Waves," **Invited contribution** American Geophysical Union, IUGG XXI General Assembly, Boulder, Colorado, July 2-14,1995, (**accepted**).

26- T. Şengör, "Extensions of Maxwell's Electromagnetic Theory to Oscillating Bodies," 1996 IEEE AP-S International symposium and Radio Science Meeting, AP-S Digest, Vol. 2, pp. 872-875, Baltimore,

Maryland, U.S.A., July 21-26, 1996, doi:10.1109/APS.1996.549734. https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=549734&isnumber=11271.

27- T. Şengör, "Boundary Conditions on Vibrating Surfaces," Progress In Electromagnetics Research Symposium, Innsbruck, Austria, July 8-12, 1996, pp. 7 (**presented**).

28- T. Şengör, "Interactions of Electromagnetic Radiation by Objects," International Workshop on Electromagnetic Phenomena Related with Earthquake Prediction, Chofu, Tokyo, Japan, Sept. 6-8, 1993 (The University of Electro-Communications), Abstracts, 1993, pp. 54 (**presented**).

**29-** T. Şengör, "Atmospheric Disturbances Observed Before the Major Earthquakes of July 1999- May 2000 Period," Programme and Abstracts Book of International Workshop on Seismo Electromagnetics, 2000 of NASDA, pp. 50, Sep. 19-22, 2000, The University of Electro-Communications, Choufu-City, Tokyo, Japan (**presented**).

30- T. Şengör, "Up-to-dating of genetic codes of seismo-electromagnetic data related to the prediction of the earthquakes at North Anatolian Fault with cavity model: natural regularizations and seismo-electromagnetical resonance effects on the future Marmara Sea earthquakes," European Geosciences Union Geophysical Research Abstracts, EGU2007-A-09559, pp.: 528 European Geosciences Union General Assembly 2007, Vienna, Austria, 15-20 April 2007.

31- T. Şengör, "The fundamental process for earthquake prediction becoming a science," European Geosciences Union Geophysical Research Abstracts, EGU2007-A-09640, pp.: 324, European Geosciences Union General Assembly 2007, Vienna, Austria, 15-20 April 2007.

32- T. Şengör, "The Compact System Electromagnetically Equivalent to the Earth's Natural Events and Disasters with Application to Seismic Processes: The Completely Compact Electromagnetically Equivalent Earth Network (CCEEEN)," 34th URSI GASS, 28 August- 4 September 2021, Rome, Italy, doi:10.23919/URSIGASS51995.2021.9560618. https://ieeexplore.ieee.org/document/9560618 (**presented**).

33- T. Şengör, " The Optimizer Topology Characteristics in Seismic Hazards," AGU (American Geophysical Union) Fall Meeting, San Francisco, California, U.S.A., 13-18 December 2015, http://abstractsearch.agu.org/meetings/2015/fm/nh21a-1817.html (**presented**).

34- T. Şengör, " Seismic - Climatic - Hazardous Events Estimation Processes via the Coupling Structures in Conserving Energy Topologies of the Earth," AGU (American Geophysical Union) Fall Meeting, San Francisco, California, U.S.A., 15-19 December 2014.

35- T. Şengör, "The compact electromagnetic device optimization modeling of seismo-electromagnetic processes for the Earth," European Geosciences Union, Geophysical Research Abstracts, Vol. 11, EGU2009-13756,2009, European Geosciences Union General Assembly 2009, Vienna, Austria, 19-24 April 2009 (**presented**).

36- T. Şengör, "The Electromagnetically Equivalent Global and Complex Modeling of Seismic Processes," The 2009 AGU Fall Meeting, 14-18 December 2009, San Francisco, California, ABD, (accepted).

37- T. Şengör, "Full wave analysis of earthquake sequences with waveguide and cavity effects: application in Aegean Sea-Izmir earthquakes of 2005 related to coupling of great earthquakes of 2004," European Geosciences Union General Assembly 2006, Vienna, Avustria, 02-07 Nisan 2006, (**presented**).

38- T. Şengör, "The electromagnetic radiation mechanism in faults: aperture antenna array in fractal structure," European Geosciences Union General Assembly 2006, Vienna, Avustria, 02-07 Nisan 2006, http://cosis.net/abstracts/egu06/00945/egu06-J-00945-1.pdf (**presented**).

39- T. Şengör, "The genes and seismicity genetics of the NAF: conflicts of historical earthquake theses," European Geosciences Union General Assembly 2006, Vienna, Avustria, 02-07 Nisan 2006, 00951, http://cosis.net/%20abstracts/egu06/00951/egu06/egu06-J-00951-1.pdf%20(**presented**).

40- T. Şengör, "The interaction mechanism among electromagnetic phenomena and geophysical-seismic-ionospheric phenomena with extraction for exact earthquake prediction genetics," 10th Scientific Assembly

of the International Association of Geomagnetism and Aeronomy, IAGA 2005, Abstracts CD, Session GAI, C109, Abstract No.: IAGA2005-A-0134, Toulouse, France, July18-29, 2005 (**presented**).

41- T. Şengör, "Dispersive Slab Waveguide Modeling of Discontinuities in Ionosphere", Proceedings of International Conference on Recent Advances in Spage Technologies, RAST 2003, pp. 658 - 662, Turkish Air Force Academy, İstanbul, Türkiye, November 20-22, 2003 (**presented**).

42- T. Şengör, "Possibilities to extend electromagnetism for non-smooth and non-uniformly vibrating media cases," Helsinki University of Technology, Electromagnetics Lab. Report 367, May. 2001, ISBN 951-22-5474-3, ISSN 1456-632X.

43- T. Şengör, "On the exact interaction mechanism of electromagnetically generated phenomena with significant earthquakes and the observations related the exact predictions before the significant earthquakes at July 1999- May 2000 period," Helsinki University of Technology, Electromagnetics Lab. Report 368, May. 2001, ISBN 951-22-5275-1, ISSN 1456-632X.

44- T. Şengör, "On the electromagnetically equivalent modeling of the physical earthquakes on any planet," Helsinki University of Technology, Electromagnetics Lab. Report 371, May. 2001, ISBN 951-22-5483-2, ISSN 1456-632X.