

## **CISTalks**

Time: **2023-12-27 T14:00**

Location: **BBBF-304B, Yeditepe University**

Open to the public. All are invited.

# **Unfinished Symphonies and Artificial Intelligence**

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### **Abstract**

There are several unfinished symphonies by prominent composers including Schubert, Beethoven, Bruckner, Mahler, and others. The first part of the presentation will briefly describe these unfinished works and attempts toward their completion. The second part will discuss the use of artificial intelligence in attempts to complete Schubert's 8<sup>th</sup>, Beethoven's 10<sup>th</sup> and Mahler's 10<sup>th</sup> symphonies and compare the artificial intelligence aided completion with more conventional completions, that exist in each of these examples.

### **Biography**

Born in İstanbul in 1944, graduated from Büyükkada Primary school in 1955, Robert College, Secondary School (1960) and High School (1963). Received his undergraduate degree from the Department of Physics at Robert College (now Boğaziçi University) and his MA and PhD degrees from the University of Chicago, where he was supported by Fulbright and Enrico Fermi scholarships. He worked at Middle East Technical University, Boğaziçi University, Istanbul Technical University Işık University, Yeditepe University respectively. He is currently a retired faculty member of the Department of Physics at Yeditepe University and an advisor to the Rectorate at the Faculty of Computer and Informatics. He served part time in Karadeniz Technical University, Tübitak Marmara Research Center, Kocaeli University, Koç University and the State Planning Organization Informatics Specialization Commission. He was a visiting researcher and faculty member at the Trieste International Center for Theoretical Physics, The University of Southern California, The University of California, Irvine. He supervised 6 PhD theses, one of which was at ITU, and 13 master's theses, 4 of which were at ITU, and was deemed worthy of the Tübitak Young Researcher Award and honorary membership of the Science Academy. Also served as a Jury member of the Sedat Simavi Science Award. He has 54 articles in international peer-reviewed journals (41 of which are in SCI). He served intermittently as Department Chair of the Department at ITU, Boğaziçi, Yeditepec and the Marmara Research Center, He has been a member of the Turkish Mathematical Association, Turkish Physics Association, Turkish National Committee on Theoretical and Applied Mechanics, Robert College Alumni Association, Boğaziçi University Alumni Association. He participated in various academic and community-related social activities as a member of the Turkish National Committee for Theoretical and Applied Mechanics, the Senate and Executive Board of Yeditepe University.