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Dr. Terano is a professor of Platform for Liberal Arts and Sciences, Chiba University of Commerce. He is professor emeritus of both Tokyo Institute of Technology and University of Tsukuba. He received BA degree in Mathematical Engineering in 1976, and M. A. degree in Information Engineering in 1978 both from University of Tokyo, and Doctor of Engineering Degree in 1991 from Tokyo Institute of Technology. His interests include agent-based Modeling, Knowledge Systems, Evolutionary Computation, and Service Science. He is a member of the editorial board of major Artificial Intelligence- and System science- related academic societies in Japan and a member of IEEE, and the president of PAAA.

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Seismic Response Control Using Passive Vibration Dampers

When a high-rise building is affected by a long-period seismic motion that has a long natural period, the building may vibrate greatly and its duration may become very long due to a resonance phenomenon. This causes anxiety for people inside the building even if there is no damage to the building. Vibration control is an effective way to reduce such seismic shaking and reassure people. In this talk, I will explain some advanced studies using passive vibration-control dampers.

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