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The Climate Apocalypse is Coming! How can Nuclear Physicists Help?

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The last couple of years were the hottest in recorded history, and all climate models under-predicted the severity this global temperature change. These data indicate that exponential feedback loops in Earth's climate are beginning to dominate, eventually causing Earth to become a second Venus. A necessary, but perhaps not sufficient, condition to avoid this catastrophe is to terminate combustion of fossil fuels. Renewable power sources alone may not be enough to substitute quickly enough. This is where new nuclear fission and fusion reactor designs need to step in.

Presenter: BAUER, Wolfgang (Michigan State University)