



Dimitri Kusnezov

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Dr. Kusnezov is a theoretical nuclear physicist working at the U.S Department of Energy. He has served in numerous positions, most recently as the Deputy Under Secretary for Artificial Intelligence & Technology at DOE where he led the efforts to drive AI innovation and bring it into DOE mission, business and operations, including creating a new AI Office. Dr. Kusnezov received A.B. degrees in Physics and in Pure Mathematics with highest honors from UC Berkeley. Following a year of research at the Institut fur Kernphysik, KFA-Julich, in Germany, he attended Princeton University earning his MS in Physics and Ph.D. in Theoretical Nuclear Physics. After a brief postdoc and Instructor at Michigan State University, he joined the Yale University faculty as a professor in theoretical physics, and has served as a visiting professor at numerous universities around the world. Dr. Kusnezov has published over 100 articles and edited 2 books. After more than a decade on the Yale faculty, he left academia to pursue public service at the DOE and became a member of the Senior Executive Service.

He has also served as Chief Scientist, CIO, Director of Advanced Simulation and Computing and the Director of the multi-billion dollar National Security Science, Technology and Engineering programs. He was nominated by the President to serve. He created numerous programs, including for Minority Serving Institutions, International, with the private sector and philanthropy, across agencies, has delivered major milestones such as the DOE's 10-year grand challenge for a 100 Teraflop supercomputer, the novel Blue Gene supercomputer architecture family, and the first petaflop supercomputer that was also a hybrid system with graphics accelerators, among others. Today he is focused on advancing artificial intelligence and emerging technologies.