

An experimental physicist's view of the coronavirus pandemic



In a recent biography of his career, Richard Garwin was called 'the most influential scientist you never heard of.' He finished his Ph.D. under Enrico Fermi at the age of 21 and Fermi is reported to have called him 'the only true genius I have ever met.' At the age of 23 he was asked by Edward Teller to design the device for the "Ivy Mike Shot," the first test of a hydrogen bomb. A polymath physicist, he holds 50 patents, and has published more than 500 papers and multiple books. However, the true scope of Garwin's work is known only to those with the longest view and the highest security clearances. A long time member of the JASON advisory group, Garwin has had a major impact across a broad array of US national defense technical and policy areas. An advisor to every President from Eisenhower to Obama, he is a member of all three National Academies (Science, Engineering and Medicine), the Council on Foreign Relations, and a recipient of the National Medal of Science (George W. Bush) and the Presidential Medal of Freedom (Obama).

Wednesday, January 27, 2021, 4:00 pm (MT)
Zoom

Abstract:

A personal account of decades of efforts to prevent or terminate pandemics, with attention to modeling of epidemics, personal and collective protection measures, trusted sources of information and messaging., and how we can battle COVID-19

"... without a vaccine for a year, or an effective, affordable anti-viral drug, with 52 million Americans over 65 in 2018, more than two million are likely to die from Covid-19, compared with the 35,000 annual average from seasonal flu.. [03/10/20]" A year into the pandemic in the United States, we are just beginning to plan our national response and effective use of the Defense Production Act to bring R_0 well below 1.0 so that the epidemic dies out until effective vaccination can play a role in stopping community spread of the disease. The presentation, with detailed charts and an operable model, will be made available on January 26

<https://mines.zoom.us/j/93131802853?pwd=WXM3SjhPMzFjUjY4THdjaWd5SFVDZz09>
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