
AGA 4: Missile Threats and Missile Defense

Time: Thursday 10:30–12:00

Location: DO24 Reuter Saal

Invited Talk AGA 4.1 Thu 10:30 DO24 Reuter Saal
Tools for Missile Program Verification — ●MARKUS SCHILLER and ROBERT SCHMUCKER — Schmucker Technologie, Klenzestr. 14, 80469 München, Germany

Ballistic missiles play a key role in international strategic considerations. They are seen as national assets, and any information about a country's missile programs and their status is closely guarded. Therefore, ballistic missile programs in countries like Iran or North Korea are shrouded in secrecy.

However, there are ways to distill a significant amount of knowledge out of even a few available data points. Missiles are subject to physics and technical realities, and a lot can therefore be learned by using certain tools and approaches for missile program analysis. The validity of the obtained results is demonstrated with a few selected examples.

Therefore, with the right tools, common knowledge about missile

programs can be quickly verified - or falsified.

AGA 4.2 Thu 11:30 DO24 Reuter Saal
Missile Defense Simulations and Strategic Stability in Europe — ●GÖTZ NEUNECK and CHRISTIAN ALWARDT — IFSH, Universität Hamburg

Ballistic Missile defense (BMD) systems are technological very ambitious and challenging. The defense performance and reliability including the leakage rate are controversial and are hard to be determined under real conditions. Nevertheless, some countries, esp. Russia, see the emerging NATO BMD capabilities as a threat to their strategic arsenals, which is a serious obstacle to further arms control steps between the US and Russia. The talk presents several simulation results for the European BMD discussion and compares the results to conclude the implications for future arms control options.