Interference Canceling for Improved Coexistence Between Passive and Active Radio Systems

- **Problem**: Reducing effect of interference from radio communication, radar, and navigation systems on radio astronomy and other passive uses of the radio spectrum
- **Solution**: Interference canceling to provide "look through" capability. Overcoming limitations of existing techniques in the low-S/N regime using machine learning, improved system models, and transmitter-assisted methods.
- **Outcomes** (so far): Rigorous evaluation of existing canceling algorithms leading to effective design methodology. Challenges include detection and toxicity
- **Points of contact**:
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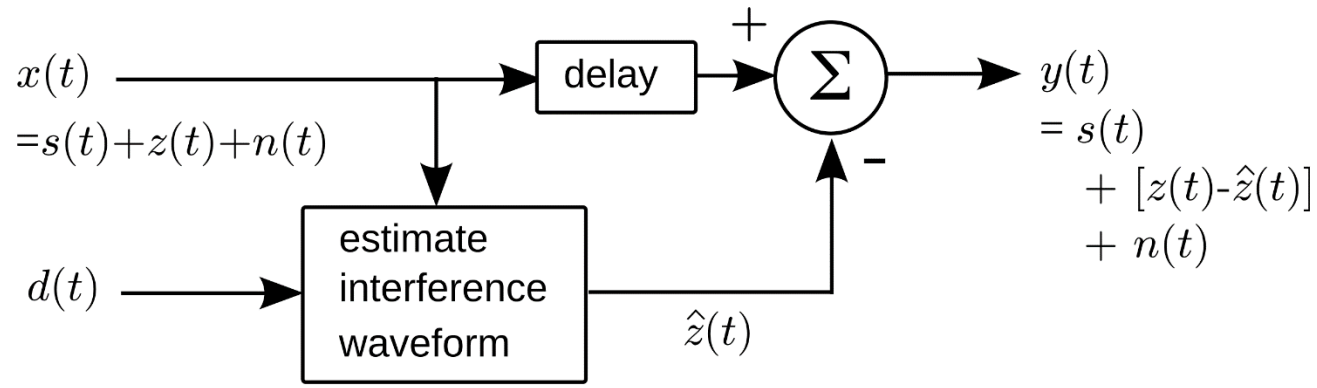

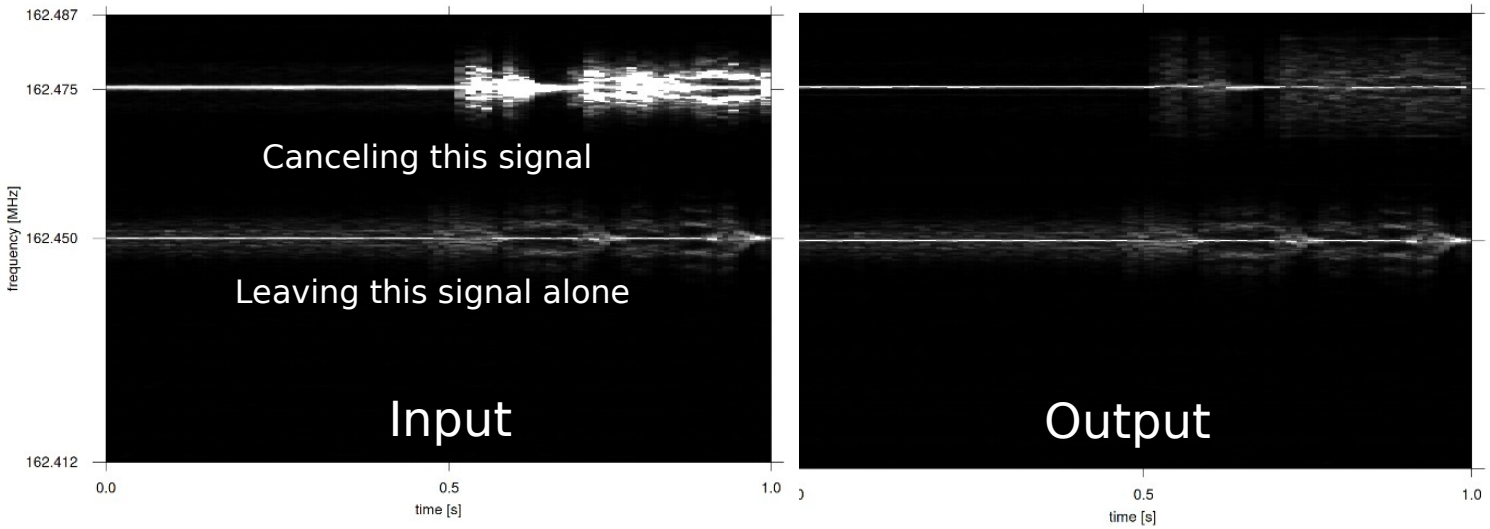

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More information available at the project web site:
https://www.faculty.ece.vt.edu/swe/raim/