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## Multi-messenger astronomy of gravitational-wave transients in the "Automatic Public Alert" Era

*Wednesday, 5 June 2019 11:15 (30 minutes)*

The search for electromagnetic counterparts or neutrino emissions from gravitational-wave sources engages a wide scientific community. Here, we outline the pathway that led to the birth of multi-messenger astronomy with the first direct observations of the gravitational-wave signals measured to date, focusing on the new challenges of LIGO and Virgo Observing Run 3 (O3) and the beginning of the public gravitational-wave alert era.

### Summary

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