

■ Our mission

- To provide consultation force in order to share knowledge and experience gained through i/e/aLIGO and other detectors on our specialties such as:

Design, installation, and commissioning
on optics, mechanics, electronics, and their combinations.

- Particularly we are eager to help in reviewing the electronics design/testing since we had experienced this kind of problems in LIGO in the past.
- Note:
This is non-LSC activity and is done with our spare time.
Don't hesitate to use US!

- **Activity list** (excluding formal collaborations, e.g. External Review, Faraday isolators, Mirror characterization, etc)
 - Provided design considerations for interferometer sensing/control, optical setups, as well as vibration isolation modeling and noise budget modeling. (R. Adhikari with multiple liaisons)
 - Held discussions about the main EOM design (K. Izumi with T. Uehara)
 - Presenting talks about LIGO commissioning. (K. Kokeyama, K. Izumi for KAGRA f2f and domestic meetings)
 - Worked with the mirror group on deciding the mirror polishing specification using our FFT-based simulation package. (H. Yamamoto with E. Hirose)
 - Supporting the IO group for designing peripheral devices for the KAGRA input mode cleaner suspensions (K. Arai with N. Ohishi)