

EGO-ICRR Meeting

University of Tokyo, Kashiwanoha campus, Japan, 4-5 October 2011

The European Gravitational Observatory ([EGO](#)) and the Institute for Cosmic Ray Research ([ICRR](#)) organize a meeting, under the patronage of the Italian Embassy in Tokyo, with the aim to explore the collaboration between Italy and Japan on the Gravitational Wave research with the future interferometric detectors in Italy ([advanced Virgo](#)) and Japan ([LCGT](#)). The 3rd generation perspectives, thanks to the Einstein Telescope ([ET](#)) project will be investigated too and the ELiTES Japanese-European collaborative FP7 project, between ET and LCGT, will be prepared.

Tentative agenda

Meeting Chairman: Riccardo DeSalvo (U Sannio)

4th of October

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| Morning | Chair: Federico Ferrini (EGO) | |
| 10:00 -10:10 | Welcome Talk | Alberto Mengoni (Italian Embassy in Tokyo) |
| 10:10 – 10:40 | Gravitational Waves as a New Astronomy | Eugenio Coccia (Rome Tor Vergata University and INFN) |
| 10:40 – 11:10 | EM Counterpart Search for GW events | Nobuyuki Kawai (Tokyo Tech) |
| 11:10 – 11:40 | Status of Virgo: Brief history, Commissioning experience, Latest performances | Francesco Fidecaro (University of Pisa and INFN) |
| 11:40 – 12:10 | LCGT project status | Seiji Kawamura (ICRR) |
| 12:10-13:30 | Lunch | |
| Afternoon | Chair: Kazuaki Kuroda (ICRR) | |
| 13:30 – 14:00 | Numerical Simulation of Coalescence of Compact Binaries | Masaru Shibata (Osaka University) |
| 14:00 – 14:30 | Advanced Virgo: Status of the project | Jean-Yves Vinet (ARTEMIS, VIRGO Spokesperson) |
| 14:30 – 15:00 | GW Science and objective | Nobuyuki Kanda (OCU) |
| 15:00 – 15:30 | Coffee Break | |
| 15:30 – 16:00 | The European Gravitational Observatory, EGO: its role in international GW research | Federico Ferrini (EGO) |
| 16:00 – 16:30 | Underground Facility for GW | Shinji Miyoki (ICRR) |
| 17:30 - | Banquet | |

5th October

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| Morning | Chair: Seiji Kawamura (ICRR) | |
| 09:00 - 09:30 | 3rd Generation: ET project | Michele Punturo (INFN Perugia and EGO) |
| 09:30 - 10:00 | Focus on technology: Optics | Raffaele Flaminio (LMA Lyon) |
| 10:00 - 10:30 | Optical design for the interferometer control of LCGT | Yoichi Aso (Physics, UT) |
| 10:30 - 11:00 | Numerical simulation tools for optics | Jean-Yves Vinet (ARTEMIS, VIRGO Spokesperson) |
| 11:00 - 11:30 | Coating optimization for longer reach of GW observatories | Innocenzo Pinto (University of Sannio) |
| 11:30 - 12:00 | Laser and Optical system of LCGT | Norikatsu Mio (PSC, UT) |
| 12:00 - 13:30 | Lunch | |
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| Afternoon | Chair: Giampietro Cagnoli (UTB) | |
| 13:30 - 14:00 | Focus on technology: Suspensions | Ettore Majorana (Roma "La Sapienza" University and INFN) |
| 14:00 - 14:30 | Focus on technologies for 3rd Generation: Cryogenics | Fulvio Ricci (Roma "La Sapienza" University and INFN) |
| 14:30 - 15:00 | Cryogenic system design of LCGT | Nobuhiro Kimura (KEK) |
| 15:00 - 15:30 | Coffee Break | |
| 15:30 - 16:00 | Low frequency anti-vibration system of LCGT | Ryutaro Takahashi (ICRR) |
| 16:00 - 16:30 | Seismic Isolation from Virgo to LCGT to ET | Riccardo DeSalvo (University of Sannio) |
| 16:30 - 17:00 | Advanced R&D for GW detection | Kentaro Somiya (Tokyo Institute of Technology) |
| 17:00 - 17:30 | Closing Remarks | Jean-Yves Vinet (ARTEMIS, VIRGO Spokesperson) Takaaki Kajita (ICRR) |