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**Application Form for Exchanges visits/Projects under the Gravitational-wave Excellence through Alliance Training (GrEAT) Network with China**

Applications can be submitted at any time and will be reviewed by a small panel chaired by the leads for the WP6: Project Management (Ik Siong Heng and Zong-Hong Zhu) as well as the leads of the project work packages (WP1: Economic growth and innovation, WP2: Quality education and public outreach, WP3: Big Data analysis and modelling WP4: Ultra-high precision measurement technology and instrumentation and WP5: Space GW detectors. We aim to turn around application within 2 weeks.

Proposals for exchange visits and projects should be in line with the goals of at least one of the work packages which are outlined below.

**WP1: Economic growth and innovation:** This work package will focus on identifying potential industrial and commercial partners in China for GW technology and expertise exploitation. Activities will include organising workshops where UK GW teams can showcase their technologies to potential industry partners in China.

**WP2: Quality education and public outreach:** This work package will, in collaboration with our Chinese partners, provide high-quality training for early-career researchers on the planning and delivery of outreach on gravitational-wave astronomy. We will develop resources suitable for both formal and informal learners

**WP3: Big Data analysis and modelling:** This work package will provide training on data analysis and numerical modelling that will have applications to gravitational wave research and beyond.

**WP4: Ultra-high precision measurement technology and instrumentation:** This work package will build the necessary skill base to develop/fabricate/install and innovate future detector technologies. It will also provide support to grow the necessary expertise for a future GW detector in China.

**WP5: Space GW detectors:** This work package will support PhD students and early career researchers from Chinese institutions working on space GW detectors to train in the UK in an effort to define the issues and specific needs for their project, thereby fostering long-term collaborative links between the UK and China.

Funds can be used to support staff/student exchanges from UK-China or China-UK, or via the development of small scale projects for outreach or developing GW instrumentation in China. Typical visit lengths could be short visits (1-2 weeks) and longer visits (4-6 weeks).

Each activity held will be required to submit a written outcome report (one page maximum) three months after the end date.

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| Lead (s): name(s) and institution(s) |
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| Title of activity and lay 50-100 word summary (suitable for reporting to STFC) |
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| Which work package of the grant does this project align, and how? 50-100 words |
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| Where will the activity be hosted, and if this is a visit please give details of the visitor. 50-100 words |
| Is a visa required (tick if “Yes”) |

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| Format of activity: For visits: work to be done during the visit. For projects: the main activities |
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| Budget details: For visits please specify accommodation, travel and subsistence. For projects identify the consumables costs. Are there any matching funds? |
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| What would success look like and what are the follow on steps? How will you monitor the project? 50-100 word summary |
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Applications should be submitted to Ik Siong Heng ([ik.heng@glasgow.ac.uk)](mailto:ik.heng@glasgow.ac.uk)) Mariela Masso Reid ([Mariela.MassoReid@glasgow.ac.uk](mailto:Mariela.MassoReid@glasgow.ac.uk) )and Zong-Hong Zhu ([zhuzh@bnu.edu.cn)](mailto:zhuzh@bnu.edu.cn)).