

# Newsletters

Vol. 3 No.4 April 1, 2025

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More reliable physics in seismic hazard assessment (SHA) for disaster risk reduction (DRR)  
(More reliable physics in SHA for DRR)

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## Haicheng Earthquake Symposium

The Haicheng M7.3 earthquake occurred in Liaoning Province, Northeast China, on February 4, 1975. Taking the opportunity of the 50th anniversary of the successful prediction of the Haicheng earthquake, China Earthquake Administration (CEA), in cooperation with International Association of Seismology and Physics of the Earth's Interior (IASPEI), APEC Cooperation for Earthquake Science (ACES), Collaboratory for the Study of Earthquake Predictability (CSEP) China Center (CN-CSEP), and the Young Earth Scientists Network in China (YESChina), is organizing the International Symposium on Earthquake Forecasting to Commemorate the 50th Anniversary of the 1975 Haicheng M7.3 Earthquake on 8-11 July, 2025 in Shenyang, Liaoning, China.

Based on the new understandings of earthquakes and new technologies of the monitoring and modeling for earthquake forecast, and summarizing the experiences and lessons over the last half century, conference topics "Modernized multidisciplinary methodology of operational earthquake forecast and seismic hazard assessment (M3 for OEF & SHA)" focused on the modernized multidisciplinary methodology of operational earthquake forecast (OEF) and seismic hazard assessment (SHA), facing to the last mile of the application. Advancements, discussion, and debates reflected by the recent international collaborative projects, including but not limited to, the ACES, the CSEP, the StatSei, are welcome. It is hoped to significantly enhance the technical readiness level (TRL) of the existing methods of OEF and SHA - the empirical, the statistical, the physics-based, and the numerical, making earthquake forecast and SHA more contributive to the society for disaster risk reduction (DRR). Roles of test sites for earthquake forecast and sociological problems associate with OEF and SHA are also taken into consideration.

The Co-Conveners include WU Zhongliang (Institute of Earthquake Forecasting, China Earthquake Administration, Beijing), ZHANG Yongxian (Institute of Earthquake Forecasting, China Earthquake Administration, Beijing), ZHUANG Jiancang (The Institute of Statistical Mathematics, Tokyo), Maximilian J. WERNER (University of Bristol, Bristol), Antonella PERESAN (Seismological Research Centre National Institute

of Oceanography and Applied Geophysics - OGS, Trieste). All details can be found in the link below:  
<https://www.ief.ac.cn/hceq50/>.

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### **New AfSC Executive Committee (2025 ~ 2027)**

The fourth General Assembly of the African Seismological Commission (AfSC) took place in Windhoek, Namibia from 24 – 28 February 2025. Prof. Zhongliang Wu, member of the scientific advisory board of our pJWG-NDSHA, attended the GA. Meanwhile, the candidates for the Executive Committee (2025 – 2027 term) has been selected in the GA:

President – Mohamed Elgabry (Egypt)  
1st Vice President – Sophie Jepkemoi (Kenya)  
2nd Vice President – Mako Sitali (Namibia)  
Secretary General – Brassnavy Manzunzu (Zimbabwe)  
Member – Farida Ousadou (Algeria)  
Past President – Paulina Amponsah

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### **From pJWG to JWG**

Since the establishment the pJWG, it has accomplished many initiatives, one of the most important is the routinely release of Newsletter for information exchange and scientific discussion. For all past activities, pJWG greatly acknowledges the guidance and endorsement of the ASC and AfSC, as well as support from local institutions such as the Institute of Geophysics, China Earthquake Administration. Given the progress made so far, approved by the ASC and AfSC, the term "preparatory" has been removed from the Newsletter; there is still much work to be planned and implemented in the future and we look forward to the contributions and proposals.

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### **Imminent: $M_{\text{design}}$ estimation to Myanmar $M_w7.7$ event**

Reported by the United States Geological Survey (USGS), a destructive  $M_w7.7$  event occurred in NNW of Sagaing, Myanmar, on, 28<sup>th</sup> March, 2025. This earthquake has already caused a large number of casualties and property losses. The  $M_{\text{design}}$  estimation to this event is still in progressing. It will be released in a supplement material issue.

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(Past issues could be found at the link <https://asc-iaspei.org/task-groups/newsletter/> )