

Workshop series of Chinese 3DEM community

International Workshop of Advanced Image Processing of Cryo-Electron Microscopy

Institute of Biophysics, Chinese Academy of Sciences, Beijing, China
August 6 - 10, 2017

[Home](#)

As we all know, there is still a huge space for technical development of CryoEM to solve some of the major problems such as:

[Topic](#)

-how to get near atomic resolution structures for small-sized molecules (<100kDa),

[Materials](#)

-how to deal with macromolecular continuous conformational changes and reconstruct their conformational dynamics,

[Speakers](#)

-how to efficiently build and validate atomic models based on CryoEM maps,

[Program](#)

-how to determine in-situ high resolution structure of macromolecular machineries,

-how to increase the throughput of the current procedures.

[Album](#)

To meet the current and future needs of CryoEM technology, we are going to organize the 3rd International Workshop of Advanced Image Processing of Cryo-Electron Microscopy (IWAIP-CryoEM 2017) by focusing on the frontier of CryoEM image processing.

[Video](#)

[Registration](#)

Besides introducing the latest image processing algorithms, there will also be a session to introduce EMDB and EMPIAR to attendees and instruct them how to deposit CryoEM maps and models, how to download data from EMPIAR and how to utilize valuable EMDB services.

[Site](#)

[Information](#)

[Travel](#)

[Fellowship](#)

The workshop will last four days from **August 7th to 10th** with courses in the morning, practices in the afternoon and discussions in the evening. The approximate number of attendees for the morning courses will be **100** and the number for the afternoon practices is restricted to **25**.

[Organizer](#)

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Graduate students and postdocs who currently work in the 3DEM field are particularly encouraged to attend. Importantly, a number of leading scientists in the field will be lecturing at the workshop; young scientists will have plenty of opportunities to directly interact with these leading scientists.

A poster of this workshop will be available [here](#).



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