The 4th Research Meeting of Ultra-high Precision Mesoscale Weather Prediction March 7, 2014 (Fri)　9:00～17:45 Venue: Kobe Convention Center 'Kobe International Conference Center' Conference Room 501(5F)	
8:30–9:00	**Registration**　（5F Lobby）
9:00–9:30	**Opening Address and Introduction** （Chair: K. Saito, MRI・JAMSTEC）（Conference hall）
	Opening Address　Yoshio Kawaguchi (MEXT)
	Introduction of HPCI Strategic Program Field 3 Shiro Imawaki (JAMSTEC)
	Introduction of Ultra-high Precision Mesoscale NWP Kazuo Saito (MRI・JAMSTEC)
09:30–10:25	**Development of cloud-resolving data assimilation system** （Chair: Kazumasa Aonashi, MRI・JAMSTEC）（Conference hall）
09:30–09:40	**Challenges in cloud-resolving data assimilation** Kaszumasa Aonashi (MRI・JAMSTEC)
09:40–09:55	**Development of cloud-resolving data assimilation systems** Kazumasa Aonashi (MRI・JAMSTEC)
09:55–10:10	**Data assimilation Experiments of Tsukuba Tornado on May 6, 2012 with the Nested-LETKF system**　Sho Yokota (MRI)
10:10–10:25	**Mesoscale weather prediction with a hybrid EnKF-4DVAR system** Kousuke Ito (JAMSTEC・MRI)
10:25–10:35	**Coffee Break**　（5F Lobby）
10:35–14:40	**Development of a regional cloud-resolving ensemble analysis and forecast systems**（Chair:Hiromu Seko, MRI・JAMSTEC）（Conference hall）
10:35–11:05	**Keynote Speech: Ensemble prediction of intense summer rainfall in the UK**　Brian Golding (UK Met Office)
11:05–11:15	**Further development of a regional cloud-resolving ensemble analysis and forecast systems**　Hiromu Seko (MRI・JAMSTEC)
11:15–11:30	**An application of increments LETKF on 2011 Kyushu heavy rain** Tohru Kuroda (JAMSTEC・MRI)
11:30–11:45	**Ensemble forecast of storm surges induced by the typhoon Haiyan** Le Duc (JAMSTEC・MRI)
11:45–12:00	**Development of the NHM-EnVar system**　Seiji Origuchi (MRI)
12:00–12:15	**Data assimilation experiments for TCs with the LETKF** Masaru Kunii (MRI)

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12:15–12:30	**A forward step to new-era urban NWP:3D structure of the sea-breeze front head as revealed by super high-resolution mesoscale simulation** Guixing Chen (Tohoku Univ.)
12:30–13:40	**Group Photo and Lunch**
13:40–13:55	**Development of large-scale flush flood and debris flow modeling** Yousuke Yamashiki (DPRI)
13:55–14:10	**Ultra high-resolution meteorological simulation using the K computer** Tsutao Oizumi (JAMSTEC)
14:10–14:25	**Ensemble flood prediction** Ken-ichiro Kobayashi (Kobe Univ.)
14:25–14:40	**Ensemble flood forecasting using transposition of NWP rainfall fields considering orographic rainfall** Yu Wansik (DPRI)
14:40–17:15	**Development and basic research for the ultrahigh precision regional models** （Chair: Fujio Kimura, JAMSTEC）（Conference hall）
14:40–15:10	**Keynote speech: Real case simulations using spectral bin cloud microphysics: Remarks on precedence research and future activity** Takamichi Iguchi (University of Maryland・NASA GSFC)
15:10–15:20	**Future development for the ultrahigh precision regional models** Fujio Kimura (JAMSTEC)
15:20–15:35	**Super high-resolution simulation of the fine-scale tornado structure** Wataru Mashiko (MRI)
15:35–15:45	**Coffee Break** （5F Lobby）
15:45–16:00	**Development of cloud resolving model with multi-dimensional bin-microphysics** Akihiro Hashimoto (MRI)
16:00–16:15	**Verification of a bulk scheme based on the bin scheme results** Kozo Nakamura (JAMSTEC)
16:15–16:30	**The effects of resolution on the reproducibility of Non-Hydrostatic Regional Climate Model** Masaya Nosaka (MRI)
16:30–16:45	**Dependency of horizontal resolution on accumulation processes of low-level water vapor** Teruyuki Kato (MRI)
16:45–17:00	**An extension of Mellor-Yamada model to apply for the resolution of Terra Incognita** Junshi Ito (AORI)
17:00–17:15	**Resolution dependence of deep moist atmospheric convection in a non-hydrostatic global model** Yoshiaki Miyamoto (AICS)
17:15–17:45	**General discussion** （Chair: K. Saito, MRI・JAMSTEC）（Conference hall）