

The Seventh International Workshop on Tropical Cyclones (IWTC-VII)

La Réunion, France, 15 - 20 November 2010

Programme

Sunday Nov 14

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| 14:00 - 16:00 | Registration |
| 16:30 - 18:00 | Briefing Session for IC, LOC, Session Chairs and Rapporteurs |
| 21:00 - 21:30 | Pre-workshop Orientation Session |

Monday Nov 15

Opening Ceremony

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| 09:00 - 09:40 | Welcome, introductions, logistics and expectations |
| 09:40 - 10:00 | Review IWTC-VI & Global Perspectives book - Johnny Chan |
| 10:00 - 10:10 | Update on Global Forecast Guide - Chip Guard |
| 10:10 - 10:20 | Review of IWTCLP-II - Russ Elsberry |
| 10:20 - 10:30 | Review of QPE/QPF III - Chen Lianshou |
| 10:30 - 10:50 | Expert Team Statement on TCs and Climate Change - Tom Knutson and John McBride |
| 10:50 - 11:00 | Workshop Logistics - Philippe Caroff |

11:00 - 11:30 **Morning tea**

Keynote Sessions

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| 11:30 - 12:30 | Keynote 1: TC surface wind structure, and the related pressure-wind relationships (John Knaff and Bruce Harper) |
| 12:30 - 14:00 | Lunch |
| 14:00 - 15:00 | Keynote 2: TC probabilistic forecasting and related product development issues and applications for user risk assessment (Gary Foley and Chris Landsea) |
| 15:00 - 16:00 | Keynote 3: TC precipitation (QPE/QPF) and related inland flood modeling. (Yihong Duan and Jinping Liu (Presented by Hui Lu)) |

16:00 - 16:30 **Afternoon tea**

16:30 - 18:00 Breakout discussion groups for keynote topic sessions

18:30 Icebreaker

Tuesday Nov 16 Topic 1: Structure and Intensity Change

Plenary Session (Chairs: Rob Rogers and Lixion Avila)

08:30 - 09:00 Environmental impacts on tropical cyclone structure and intensity change (Jenni Evans)

09:00 - 09:30 Inner-core impacts (Elizabeth Ritchie)

09:30 - 10:00 Air-sea interface and oceanic influences (L. K. (Nick) Shay)

10:00 - 10:30 Observation capabilities and opportunities (Edward Fukada and John Molinari)

10:30 - 11:00 **Morning tea**

11:00 - 11:30 Structure and intensity change: Operational guidance (Andrew Burton)

11:30 - 12:00 Subtropical and hybrid systems (John R. Gyakum)

12:00 - 12:30 Topic chair summary (Robert Rogers)

Instructions for breakout sessions (Chris Velden and Jeff Kepert)

12:30 - 14:00 **Lunch**

14:00 - 16:00 **Breakout Discussion Groups for Topic 1**

16:00 - 16:30 **Afternoon tea**

Special Focus Session 1 (Parallel)

16:30 - 18:00 Special Focus 1a: Targeted observations for TC track forecasting (C.-C. Wu and Sharan Majumdar)

16:30 - 18:00 Special Focus 1b: Ocean field experiments (ITOP, Gulf of Mexico) and new research findings (Nick Shay and Jeff Hawkins)

Wednesday Nov 17 Topic 2: TC formation and extratropical transition

Plenary Session (Chairs: Pat Harr and Russ Elsberry)

09:00 - 09:30 TC formation: Theory and idealized modeling (Michael T. Montgomery and Roger K. Smith (Presented by Pat Harr))

09:30 - 10:00 Field experiment formation studies (Russ Elsberry and Chris Davis)

10:00 - 10:30 Formation forecasting (Grant Elliott (Presented by Pat Harr))

10:30 - 11:00 **Morning tea**

11:00 - 11:30 Extra-tropical transition research and field experiments (Sarah Jones)

11:30 - 12:00 Forecasting extratropical transition (Chris Fogarty)

12:00 - 12:30	Topic chair summary (Pat Harr)
12:30 - 14:00	Lunch
14:00 - 16:00	Breakout Discussion Groups for Topic 2
16:00 - 16:30	Afternoon tea
	Special Focus Session 2 (Parallel)
16:30 - 18:00	Special Focus 2a: THORPEX/TIGGE applications to TC motion and forecasting (Tetsuo Nakazawa)
16:30 - 18:00	Special Focus 2b: IBTrACS activities and updates (Ken Knapp)

Thursday Nov 18

09:00 - 12:30	Group Excursion
12:30 - 14:00	Conference Lunch
	Topic 3: TCs in intraseasonal to climate time scales
	Plenary Session (Chairs: Suzana Camargo and Johnny Chan)
14:00 - 14:30	TC activity on intraseasonal time scales (Frédéric Vitart)
14:30 - 15:00	TC variability on seasonal time scales (observations and forecasting) (Philip J. Klotzbach)
15:00 - 15:30	TC activity on climate time scales (Tom Knutson)
15:30 - 16:00	Topic chair summary (Suzana Camargo)
16:00 - 16:30	Afternoon tea
16:30 - 18:00	Breakout Discussion Groups for Topic 3
18:00 - 20:00	Dinner (own arrangement)
20:00 - 21:30	Panel discussion: Future research directions for TCs and climate change. Moderators: John McBride and Tom Knutson. Panel: Kerry Emanuel, Chris Landsea, Greg Holland, Johnny Chan, Masato Sugi

Friday Nov 19

	Topic 4: Disaster risks, mitigation, warning systems and socio-economic impacts
	Plenary Session (Chairs: Jim Davidson and Masashi Kunitsugi)
09:00 - 09:30	Risk assessment (Richard J. Murnane)
09:30 - 10:00	Disaster mitigation strategies (Bill Read)
10:00 - 10:30	Operational warning strategies (S. T. Chan)
10:30 - 11:00	Morning tea
11:00 - 11:30	Societal impacts of TCs (David King and Linda Anderson-Berry)

11:30 - 12:00 Economic impacts of TCs (Ryan P. Crompton)

12:00 - 12:30 Topic chair summary (Jim Davidson)

12:30 - 14:00 **Lunch**

14:00 - 16:00 **Breakout Discussion Groups for Topic 4**

16:00 - 16:30 **Afternoon tea**

Special Focus Session 3 (Parallel)

16:30 - 18:00 Special Focus 3a: Overview and operational products expected from HFIP (Rob Rogers)

16:30 - 18:00 Special Focus 3b: Open discussion on application of the Dvorak technique and resolving interagency intensity differences (John Knaff and Chris Velden)

**Saturday Nov
20**

Recommendations and Close

Plenary Session (Chair: Lianshou Chen)

09:00 - 11:00 Topic summaries and presentation of recommendations. Topic and keynote chairs (Liz Ritchie)

11:00 - 11:30 **Morning tea**

11:30 - 14:00 Recommendation committee meets (with working lunch)
(Free time for others)

12:30 - 14:00 **Lunch**

14:00 - 16:00 Recommendations committee summary (Liz Ritchie)
Closing ceremony (Chair: Lianshou Chen)