



## **Seventh International Workshop on Tropical Cyclones (IWTC-VII)**

**Saint Gilles les bains, La Réunion, France, 15 - 20 November 2010**

### **Working Groups**

This page acknowledges all of those who have contributed to the written materials prepared before the workshop, as leaders or as members of their working groups. These working groups are separate to the breakout discussion groups that will be announced during the workshop.

### **Keynote Sessions**

<b>Title</b>	<b>Leaders</b>	<b>Working Group</b>
Tropical cyclone surface wind structure and wind-pressure relationships	JohJohn Knaff Bruce Harper	Dan Brown Sébastien Langlade Joe Courtney Derrick Herndon Masashi Kunitsugu Eric Uhlhorn
Tropical Cyclone probabilistic forecasting and related product development issues and applications for user risk assessment	Gary Foley Chris Landsea	Beth Ebert Tetsuo Nakazawa Steve Ready Richard Swinbank Zoltan Toth
TC Precipitation (QPE/QPF) and related inland flood modeling	Yihong Duan Jinping Liu	Lianshou Chen Ying Li Hui Yu Jian Lin Jeffrey Callaghan

### **Topic 1: Tropical Cyclone Structure and Intensity Change**

## Chair: Robert Rogers

<b>Subtopic</b>	<b>Rapporteur</b>	<b>Working Group</b>
Environmental impacts on tropical cyclone structure and intensity change	Jenni Evans	E. Atallah L. Avila S. A. Braun A. Burton J. Callaghan J. C. L. Chan K. Cheung M. D. Eastin G. Elliott K. A. Emanuel J. R. Gyakum E. A. Hendricks J. A. Knaff M. E. Kucas G. M. Lackmann M.-D. Leroux L. M. Leslie M. S. Peng M. Plu E. D. Rappin J. Schwendike B. Tang K. Tory B. Wang Y. Wang
Inner-core Impacts	Elizabeth A. Ritchie	Mai Nguyen Peter Otto Greg Tripoli Jonathan Vigh
Air-Sea Interface and Oceanic Influences	L. K. (Nick) Shay	M. Ali D. Barbary E. A. D'Asaro G. Halliwell J. Doyle C. Fairall I. Ginis I-I Lin I-J Moon P. Sandery E. Uhlhorn A. Wada
Observation Capabilities and Opportunities	John Molinari Edward	B. K. Bandyopadhyay Christelle Barthe Andrew Burton

	Fukada	Jeff Hawkins Masashi Kunitsugu Richard Pasch Chris Velden Alipate Waqaicelua
Structure and Intensity Change: Operational Guidance	Andrew Burton	L. Bernardet J.L. Beven II G. Faure D. Herndon J. Knaff Y.S. Li J. Mayers F. Radjab C. Sampson A. Waqaicelua
Subtropical and Hybrid Systems	John R. Gyakum	John L. Beven II Lance F. Bosart Fermin Elizaga Jenni Evans Thomas J. Galarneau, Jr. Mark Guishard Bob Hart Matthew Kucas Jonathan Martin Rachel G. Mauk Ron McTaggart-Cowan

## Topic 2: Tropical Cyclone Formation and Extratropical Transition

**Chair: Patrick A. Harr**

<b>Subtopic</b>	<b>Rapporteur</b>	<b>Working Group</b>
Tropical-Cyclone Formation: Theory and Idealized modelling	Michael T. Montgomery Roger K. Smith	Zhuo Wang David Raymond
Field experiment formation studies	Chris Davis Russell L. Elsberry	Patrick Harr Mike Montgomery Myung-Sook Park David Raymond Michael Bell Melinda Peng Tim Li

Formation forecasting

Grant Elliott

S. Camargo  
J. Cossuth  
R. Edson  
G. Foley  
K. Kishimoto  
M. Kukas  
S. Langlade  
J. Schwendike  
I. Shepherd  
K. Tory  
F. Vitart

Extra-tropical transition research and field experiments Sarah Jones

Forecasting Extratropical Transition

Chris Fogarty

D. Anwender  
E. Atallah  
P. Caroff  
E.-J. Cha  
R. Das  
C. Evans  
K. Griffin  
J. Heming  
M. Jurewicz  
N. Kitabatake  
M. Kucas  
M. Riemer  
R. Torn

## **Topic 3: Tropical cyclones in intraseasonal to climate time scales**

**Chair: Suzana J. Camargo**

### **Subtopic**

### **Rapporteur**

### **Working Group**

Tropical cyclone activity on intraseasonal time scales

Frédéric Vitart

P. Goswami  
J. Gottschalk  
P. Klotzbach  
A. Leroy  
K. Oouchi  
P. Roundy  
A. Sobel  
M. Wheeler

Tropical cyclone variability on seasonal time scales

Philip J. Klotzbach

M. Ballester  
A. Barnston  
G. Bell  
J. Camp

J. Chan  
D. Jones  
Y. Kuleshov  
T. LaRow  
M. Saunders  
O.P. Singh  
F. Vitart

Tropical cyclone activity on climate time scales

Thomas R. Knutson

J. McBride  
C. Brueyere  
J. Chan  
J. Elsner  
K. Emanuel  
I. Held  
G. Holland  
J. Kossin  
C. Landsea  
A.K. Srivastava  
M. Sugi  
K. Walsh

## **Topic 4: Disaster Risks, Mitigation, Warning Systems & Socio-Economic Impacts**

**Chair: Jim Davidson**

<b>Subtopic</b>	<b>Rapporteur</b>	<b>Working Group</b>
Risk Assessment	Richard J. Murnane	Jan Kleinn Kazuyoshi Nishijima Peter Vickery Srivatsan Vijayaraghavan
Disaster Mitigation Strategies	Bill Read Lixion Avila	Jose Rubiera Andrew Burton Dale Destin
Operational Warning Strategies	S.T. Chan	Daniel Brown Philippe Caroff Jeffrey Callaghan Shuyi S. Chen Chip Guard Masashi Kunitsugu H.P. Lam C.H. Qian O.P. Singh

Societal Impacts of Tropical Cyclones

David King  
Linda Anderson-Berry

Economic Impacts of Tropical Cyclones

Ryan P. Crompton

Silvio Schmidt  
Liguang Wu  
Roger Pielke Jr.  
Rade Musulin  
Erwann Michel-Kerjan

## Special Focus Sessions

### Title

### Leaders

### Working Group

1a: Targeted observations for TC track forecasting

C.-C. Wu  
Sharan Mujamdar

1b: Ocean field experiments (ITOP, Gulf of Peter Black Mexico) and new research findings

2a: THORPEX/TIGGE applications to TC motion & forecasting

Tetsuo Nakazawa

Richard Swinbank  
Zoltan Toth  
Beth Ebert

2b: IBTrACS activities and updates

John Knapp  
Jim Kossin

3a: Overview & operational products expected from HFIP

Rob Rogers

3b: Open discussion on application of the Dvorak technique and resolving interagency intensity differences

Chris Velden  
John Knaff

## Recommendations Committee

### Chair

### Working Group

Elizabeth Ritchie