



**United Nations/National Aeronautics and Space Administration/
Japan Aerospace Exploration Agency
Workshop on the International Space Weather Initiative**

Helwan University, Egypt

6 – 10 November 2010

PROGRAMME



Circulated in
ISWI Newsletter
Volume 2, Number 88

5 Nov 2010

Saturday, 6 November

09:00 Registration of Participants

10:00–10:30 Session 1: Opening and Welcome Remarks

- Prof. Ayman MAHROUS, Local Organizing Committee, Egypt
- Prof. Hajime HAYAKAWA, Japan Aerospace Exploration Agency (JAXA), Japan
- Prof. Joseph DAVILA National Aeronautics & Space Administration (NASA), USA
- Prof. Hans HAUBOLD, United Nations Office for Outer Space Affairs (UNOOSA)
- Prof. Hany HELAL, Minister of Higher Education and Scientific Research, Egypt
- Prof. Mahmoud EL TAYEB, President of Helwan University, Egypt

10:30-11:00 ▪ Space Weather Activities in Egypt, *Ayman MAHROUS, Space Weather Monitoring Center, Helwan University, Egypt*

11:00-11:30 ▪ Introduction, *Hans HAUBOLD and Sharafat GADIMOVA, United Nations Office for Outer Space Affairs*

11:30-12:00 ▪ International Space Weather Initiative (ISWI) Overview, *Joseph DAVILA and Nat GOPALSWAMY, National Aeronautics and Space Administration (NASA), USA*

12:00-12:30 *Coffee Break*

12:30-14:15 Session 2: Space Weather and Science Overviews

*Chairperson: Hans HAUBOLD, United Nations Office for Outer Space Affairs
Rapporteur:*

12:30-13:30 ▪ Space Weather Overview, *Nat GOPALSWAMY, National Aeronautics and Space Administration (NASA), USA*

13:30-14:15 ▪ Magnetosphere, *W. GONZALES*

14:15-15:15 *Lunch Break*

15:15-18:15 Session 3: Space Weather and Science Overviews (continued)

Chairperson: Sharafat GADIMOVA, United Nations Office for Outer Space Affairs
Rapporteur:

- | | |
|-------------|---|
| 15:15-16:00 | ▪ Ionosphere, <i>K. SHIOKAWA</i> |
| 16:00-16:30 | ▪ The Australian region space weather network, <i>Richard MARSHALL</i> |
| 16:30-17:00 | ▪ Modeling of Geospace, <i>Robert HILLMER</i> |
| 17:00-17:30 | ▪ Solar Physics, <i>Luc DAME, Centre National d'Etudes Spatiales (CNES), France</i> |
| 17:30-18:00 | ▪ Grid Computing, <i>M. PETTIDIDIER</i> |

18:00 **Adjourn for Dinner (Cruise)**

Sunday, 7 November

09:30-11:00 **Session 4: Instrument Overviews**

Chairperson: Ayman MAHROUS, Space Weather Monitoring Center, Helwan University
Rapporteur:

- | | |
|-------------|---|
| 09:30-10:00 | ▪ Magnetic Data Acquisition System (MAGDAS), <i>K. YUMOTO, Japan</i> |
| 10:00-10:30 | ▪ South Atlantic Very Low Frequency Network (SAVNET), <i>J.-P. RAULIN, Brazil</i> |
| 10:30-11:00 | ▪ African Meridian B-field Education and Research (AMBER), <i>M. MOLDWIN, USA</i> |

11:00-11:30 Coffee Break

11:30-13:00 **Session 5: Instrument Overviews**

Chairperson: Joseph DAVILA, National Aeronautics and Space Administration (NASA)
Rapporteur:

- | | |
|-------------|--|
| 11:30-12:00 | ▪ ITNE/Coherent Ionospheric Doppler Receiver (CIDR), <i>T. GARNER, USA</i> |
| 12:00-12:30 | ▪ African GPS Receivers for Equatorial Electrodynamics Studies (AGREES), <i>E. YISENGAW, USA</i> |
| 12:30-13:00 | ▪ African Dual Frequency GPS Network, <i>C. AMORY-MAZAUDIER, France</i> |

13:00-14:00 *Lunch Break*

14:00-15:30 **Session 6: Instrument Overviews**

Chairperson: Nat GOPALSWAMY, National Aeronautics and Space Administration (NASA)
Rapporteur:

- | | |
|-------------|--|
| 14:00-14:30 | ▪ Scintillation Network Decision Aid (SCINDA), <i>K. GROVES, USA</i> |
| 14:30-15:00 | ▪ Compound Astronomical Low-cost Low-frequency Instrument for Spectroscopy and |

Transportable Observatory (CALLISTO), C. MONSTEIN, Switzerland

15:00-15:30 ▪ Continuous H-alpha Imaging Network (FMT-CHAIN), S. UeNo, Japan

15:30-16:00 *Coffee Break*

16:00-17:00 Session 7: Instrument Overviews

Chairperson: K.YUMOTO, Space Environment Research Center, Japan
Rapporteur:

16:00-16:30 ▪ Optical Mesosphere thermosphere Imager (OMTI), K. SHIOKAWA, Japan

16:30-17:00 ▪ Global Muon Detector Network (GMDN), K. MUNAKATA, Japan

17:00-18:30 Session 8: POSTERS

Monday, 8 November

09:30-11:00 Session 9: Instrument Workshops

- Instrument Team Meetings

11:00-11:30 *Coffee Break*

11:30-13:00 Session 10: Instrument Workshops

- Instrument Team Meetings

13:00-14:00 *Lunch Break*

14:00-15:30 Session 11: Instrument Workshops

- Instrument Team Meetings

15:30-16:00 *Coffee Break*

16:00-17:15 Session 12: Instrument Workshops

- Instrument Team Meetings

17:15-18:00 Session 13: POSTERS

18:00 Adjourn for Dinner (Restaurant)

Tuesday, 9 November

09:30-11:00 Session 14: Instrument Workshops

- Instrument Team Meetings

11:00-11:30 *Coffee Break*

11:30-13:00

Session 15: Instrument Workshops

- Instrument Team Meetings

13:00-14:00 Lunch Break

14:00-15:30

Session 16: Instrument Workshops

- Contributed Papers

15:30-16:00 Coffee Break

16:00-17:30

Session 17: Instrument Workshops

- 16:00-16:30 ▪ Contributed Papers
- 16:30-17:00 ▪ Optical Mesosphere thermosphere Imager (OMTI), K. SHIOKAWA, Japan
- 17:00-17:30 ▪ Global Muon Detector Network (GMDN), K. MUNAKATA, Japan

17:30-18:30

Session 18: POSTERS

Wednesday, 10 November

09:30-11:10

Session 19: Instrument Reports

Chairperson: Luc DAME, Centre National d'Etudes Spatiales (CNES), France

- 09:30-09:50 ▪ Magnetic Data Acquisition System (MAGDAS), K. YOMOTO, Japan
- 09:50-10:10 ▪ South Atlantic Very Low Frequency Network (SAVNET), J.-P. RAULIN, Brazil
- 10:10-10:30 ▪ African Meridian B-field Education and Research (AMBER), M. MOLDWIN, USA
- 10:30-10:50 ▪ ITNE/Coherent Ionospheric Doppler Receiver (CIDR), T. GARNER, USA
- 10:50-11:10 ▪ African GPS Receivers for Equatorial Electrodynamics Studies (AGREES), E. YISENGAW, USA

11:10-11:30 Coffee Break

11:30-13:00

Session 20: Instrument Reports

Chairperson: Christin AMORY, Centre National d'Etudes Spatiales (CNES), France

- 11:30-11:50 ▪ African Dual Frequency GPS Network, C. AMORY-MAZAUDIER, France
- 11:50-12:10 ▪ Scintillation Network Decision Aid (SCINDA), K. GROVES, USA
- 12:10-12:40 ▪ Compound Astronomical Low-cost Low-frequency Instrument for Spectroscopy and Transportable Observatory (CALLISTO), C. MONSTEIN, Switzerland
- 12:40-13:00 ▪ Continuous H-alpha Imaging Network (FMT-CHAIN), S. UENO, Japan

13:00-14:00 Lunch Break

14:00-17:00

Session 20: Closing Remarks

14:00-15:00 ▪ Certificates & Medals

15:00-17:00 ▪ Open Discussion

17:00 **Adjourn for Dinner (Restaurant)**

The schedule in the instrument workshops portion of the above programme will be arranged by the instrument array leaders:

MAGDAS	A. Babatunde Rabi	Nigeria
	Alberto Juiano Macamo	Mozambique
	Habatwa Vincent Mweene	Zambia
	Isaac Marobhe	Tanzania
	Paul Baki	Kenya
	Ephrem Tesfaye	Ethiopia
	Gebreab Kidanu	Ethiopia
	Lawrence Babatope Kolowole	Nigeria
	Isaac Abiodun Adimula	Nigeria
	Hamisu Mai-Unguwa	Nigeria
	Doumouya Vafi	Cote d'Ivoire
	Obrou Olivier	Cote d'Ivoire
	Ibrahim Mohamed Elfaki	Sudan
	Richard Marshall	Australia
	Setyanto Cahyo Putranto	Indonesia
	Geri Kibe Gopir	Malaysia
	Rowland Emerito S. Otadoy	Philippines
	Quirion Sugon	Philippines
	Edwin Choque (2)	Peru
	Nelson Jorge Schuch	Brazil
	Tardelli Ronan Coelho	Brazil
	K. Unnidrishnan Nair	India
	Stefania Lepiki	Italy
	K. Yumoto	Japan
	S. Abe	Japan
	G. Maeda	Japan
	Y Yamazaki	Japan
	Emad Takla	Egypt
	Essam Elgamry	Egypt
	Adel Fathy	Egypt
	Reham Elhawary	Egypt
	Ibrahim Fathy	Egypt
	S. Lepiti	Italy

CIDR	Trevor Garner	USA
	Ayman M. Mahrous	Egypt
	Amira Shemies	Egypt
	Amr Abdellah	Egypt
	Ola Abou Elezz	Egypt
	Safinaze Ahmed	Egypt
	Ebtesam Farid	Egypt

SAVNET	Jean-Pierre Raulin	Brazil
	Walter Guevara	Peru
	Liliana Macotella	Peru
	Fernando Bertoni	Brazil

Amber/Agrees	Cesar Mbane Bioule	Cameroon
	Fatma Anad	Algeria
	Alem Mebrhatu	Ethiopia
	Endowoke Yigenzaw	USA
	Mark Moldwin	USA

ADFGPS	Christine Mazaudier	
	Jean ACKAH	Cote d'Ivoire
	Bienvenue DINGA	Republic of Congo
	Bruno KAHINDO	RDC
	Zacha KOMENAN	Cote d'Ivoire
	Saidou MADOUGOU	Niger
	Frederic OUATTARA	Burkina Faso
	Naima ZAOURAR	Algeria
	Christian ZOUNDI	Burkina Faso
	Benkhaldoun ZOUHAIR	Morocco

SCINDA	Ackah Jean-Baptiste	Cote d'Ivoire
	Ayman M. Mahrous	Egypt
	Amira Shemies	Egypt
	Amr Abdellah	Egypt
	Ola Abou Elezz	Egypt
	Safinaze Ahmed	Egypt
	Joseph Olwendo	Egypt

AWESOME	Elchin Babayev	Azerbaijan
	Naoshin Haque	US
	Patrick Sibanda	Zambia, but currently at Michigan
	Samir Nait Amor	Algeria
	Thai Lan Hoang	Vietnam
	Rafik Kandalyan	Jordan, but currently in Armenia
	Haris Haralambous	Cyprus