

- TENTATIVE -

**The 4th ASEAN School on Plasma and Nuclear Fusion (ASPNF2018)
29 Jan - 2 Feb 2018, Chiang Mai University, Thailand**

Time	Program	Speaker
	Sunday: Preparation (in Thai)	
15:00-18:00	Basics in plasma and fusion physics	Dheerawan Boonyawan (CMU)
	Monday: Overview of Fusion Activities	
08:00-09:00	Registration of participants & Coffee	
09:00-09:25	Opening Ceremony Remarks by - Host university: Chaing Mai University - Host organization: TINT - Thailand Fusion Partner: NIFS - Thailand Fusion Partner: CEA-IRFM	Prof. Emeritus Avudh Srisukri, M.D., Acting President Pornthep Nisamaneephong, Executive Director NIFS representative CEA-IRFM representative
09:25-09:30	Group Photo	
09:30-10:30	Basic plasma physics	NIFS
10:30-11:00	Coffee Break	
11:00-12:00	Introduction to fusion energy	CEA-IRFM
12:00-13:00	Lunch	
13:00-14:00	Fusion research in France	CEA-IRFM
14:00-15:00	Fusion research in Japan	NIFS
15:00-15:20	Coffee Break	
15:20-16:20	Fusion research in China	Yuntao Song, ASIPP
16:20-16:50	Fusion in Thailand	Thawatchai Onjun, TINT
16:50-17:50	Spinoff applications of fusion research	NIFS
	Tuesday: Fusion Concepts	
08:30-09:30	Introduction to magnetic confinement fusion	NIFS
09:30-10:30	Modeling and theoretical studies of fusion	NIFS
10:30-10:40	Coffee Break	
10:40-11:40	Introduction to fusion engineering	NIFS
11:40-12:40	Introduction to SOKENDAI	
12:40-13:30	Lunch	NIFS
13:30-17:00	Excursion (all) Botanic Garden	
18:00-20:00	Banquet	
	Wednesday: Fusion Challenges	
08:30-09:30	Waves and instabilities in magnetic fusion plasmas	Rémi Dumont, CEA-IRFM
09:30-10:30	Plasma wall interaction and density control	Bernard Pégourié, CEA-IRFM
10:30-10:50	Coffee Break	
10:50-12:00	Tokamak operation	CEA-IRFM
12:00-13:00	Lunch	
13:00-14:00	Dust experiment	Cecile Arnas, Aix-Marseille University
14:00-15:00	Dust in MHD instabilities and fusion	Ram Prajapati, Guru Ghasidas Central U.
15:00-15:20	Coffee Break	
15:20-16:20	Tokamak operation and GOLEM introduction	Remy Guirlet, CEA-IRFM
16:20-18:00	Student Group Discussion and Remote Experiment (6 groups)	CEA-IRFM
	Thursday: Fusion Operations	
08:30-10:00	Turbulence and transport in tokamaks	David Zarzoso, Aix-Marseille University
10:00-10:30	Coffee Break	
10:30-12:00	Diagnostics in tokamaks	Rémy Guirlet, CEA-IRFM
12:00-13:00	Lunch	
13:00-13:30	Introduction to GOLEM experiment	Rémy Guirlet, CEA-IRFM
13:30-18:00	Student Group Discussion and Remote Experiment (6 groups)	CEA-IRFM
	Friday: Presentations & Discussions	
08:30-09:00	[CEA-IRFM & CPaF Collab.] Study of impurity transport at WEST	Siriyaporn Sangaroon, Mahasarakham U.
09:00-09:30	[CEA-IRFM & CPaF Collab.] Diagnostics at WEST	Kunaree Wongrach, Burapha U.
09:30-10:00	Introduction to tritium breeding blanket	Somsak Dangtip, Mahidol U.
10:00-11:00	Heating and current drive	Julien Hillairet, CEA-IRFM
11:00-12:00	MHD instabilities in tokamaks	David Zarzoso, Aix-Marseille U.
12:00-13:00	Lunch	
13:00-15:00	Student presentations	
15:00-15:30	Closing & Photos	

