

**Workshop Transients co-organized by
the France - Japan Network for Extragalactic astrophysics and COsmology (NECO)
and the France - Mexico ExploRIng the Deep And traNsient UniverSe (ERIDANUS).**

Wednesday 30 October 2024 - Friday 1st November 2024

TITLE: The Transient Universe

WHERE: Tokyo, Japan

[Nihonbashi Life Science Building, Conference Room #313](#)

Access: 2-3-11, Nihonbashi-honcho, Chuo-ku, Tokyo, Japan 103-0023

[Map Tokyo, Japan](#)

<https://www.nihonbashi-lifescience.jp/en/#>

WHEN: from Wednesday 30 October 2024 to Friday 1 November 2024

WHO: Researchers in Astrophysics, including young but also not young people mainly from France, Japan and Mexico. However, a minority of people from other countries are welcome to attend.

OBJECTIVES: The main themes that will be discussed during this workshop are related to the Transient Universe.

In June 2024, SVOM was successfully launched. We would like to take this opportunity to develop collaborations between the three countries.

SCIENTIFIC ORGANIZING COMMITTEE:

Stephane BASA (Aix Marseille Univ, CNRS, CNES, LAM, Marseille, France)

Denis BURGARELLA (Aix Marseille Univ, CNRS, CNES, LAM, Marseille, France)

Diego GÖTZ (Université Paris-Saclay, Université Paris Cité, CEA, CNRS, AIM, 91191, Gif-sur-Yvette, France)

Shigehiro NAGATAKI (RIKEN/OIST, Japan)

Koji NODA (Institute for Cosmic Ray Research, The University of Tokyo, Kashiwanoha, Japan)

Tsutomu T. TAKEUCHI (Division of Particle and Astrophysical Science, Nagoya University, Nagoya, Japan)

Susanna VERGANI (Observatoire de Paris, PSL Research University, CNRS, Univ. Paris Diderot, Sorbonne Paris Cité, France)

Daisuke YONETOKU (College of Science and Engineering, School of Mathematics and Physics, Kanazawa University, Kakuma, Kanazawa, Japan)

DETAILED PROGRAMME:

Margin to change speaker:

00:03 minutes

Duration of normal talks

00:20:00

Duration of questions for invited talks

00:10:00

Talk #

Wednesday, 30 October 2024

Part 0: Introduction: why such a workshop?

Start	End	Duration	Talk	Duration	Questions	Who	Title (to be optimized by each of the speakers)
10:00	10:18	00:15	00:03			Denis BURGARELLA (France) & Tsutomu T. TAKEUCHI (Japan)	Introduction: why such a workshop?

Part 1: Gamma Ray Bursts

10:18	10:48	00:20	00:10			Hirota ITO (invited, Japan)	GRB prompt emission
10:51	11:21	00:20	00:10			Maria Giovanna DAINOTTI (invited, Japan)	GRB cosmology
11:24	11:54	00:20	00:10			Susanna VERGANI (invited, France)	GRBs, their host and the intergalactic medium
11:57	13:27	01:30	00:00			All	Lunch Break
13:30	14:00	00:20	00:10			Veronique BUAT (invited, France)	GRBs, their host and the intergalactic medium
14:03	14:33	00:20	00:10			Antonio DE UGARTE POSTIGO (canceled, France)	GRBs spectroscopy
14:36	14:54	00:15	00:03			Contributed talk	Contributed talk
14:57	15:15	00:15	00:03			Contributed talk	Contributed talk
15:18	15:48	00:30	00:00			All	Coffee/Tea Break

Part 2: "The transient sky"

15:51	16:21	00:20	00:10			William LEE (invited, Mexico)	Multi-wavelength information on transients
16:24	16:54	00:20	00:10			Naomi TSUJI (invited, Japan)	Multi-messenger astrophysics
16:57	17:27	00:20	00:10			Megumi SHIDATSU (invited, Japan)	High energy range: the golden mine for transients... Myth or Reality?
17:30	18:00	00:30	00:00			To Be Defined	Round Table Discussion

Thursday, 31 October 2024

09:30	10:00	00:20	00:10			Camilla DEMIDEM (invited, Japan)	Particle acceleration theory
10:03	10:33	00:20	00:10			Damien TURPIN (invited, France)	Fast Blue Optical Transients
10:36	11:16	00:30	00:10			All	Coffee/Tea Break
11:19	11:49	00:20	00:10			Shigehiro NAGATAKI (invited, Japan)	Supernovae
11:52	12:22	00:20	00:10			Karelle SIELLEZ (invited, University of Tasmania)	From Tasmania to Tahiti: Tracking Kilonovae using SVOM
12:25	12:43	00:15	00:03			Contributed talk	Contributed talk
12:46	14:16	01:30	00:00			All	Lunch Break

Part 3: Missions/facilities dedicated to the transient sky (trigger providers)

14:19	14:49	00:20	00:10			Anna POLLMAN (invited, Japan)	Neutrinos
14:52	15:22	00:20	00:10			Diego GÖTZ (invited, France)	Characteristics of previous or on-the-sky missions
15:25	15:55	00:20	00:10			Diego GÖTZ (invited, France)	Theseus
15:58	16:28	00:30	00:00			All	Coffee/Tea Break
16:31	17:01	00:20	00:10			Daisuke YONETOKU (invited, Japan)	Hiz-Gundam
17:04	17:34	00:20	00:10			Kazuhiro NAKAZAWA (invited, Japan)	XRISM
17:37	18:07	00:30	00:00			To Be Defined	Round Table Discussion

Thursday 1 November 2024

09:00	09:30	00:20	00:10			Stephane BASA (invited, France)	SVOM
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Part 4: Follow-up capabilities

09:33	10:03	00:20	00:10			Susanna VERGANI (invited, France)	Multi-messenger / Gravitational waves
10:03	10:33	00:30	00:00			All	Coffee/Tea Break
10:36	11:06	00:20	00:10			Stephane BASA (invited, France)	Follow-up capabilities in France
11:09	11:39	00:20	00:10			Nozomu TOMINAGA (invited, Japan)	Follow-up capabilities in Japan
11:42	12:12	00:20	00:10			Koji NODA (invited, Japan)	GRB follow-up by CTA LST
12:15	13:45	01:30	00:00			All	Lunch Break
13:48	14:18	00:20	00:10			Alan WATSON (invited, Mexico)	Follow-up capabilities in Mexico
14:21	14:51	00:30	00:00			To Be Defined	Round Table Discussion

Part 5: Conclusion: did we fulfil the expectations for such a workshop? What's next?

14:54	15:29	00:30	00:05			Stephane BASA (France) & Koji NODA (Japan)	Conclusion: did we fulfil the expectations for such a workshop? What's next?
15:32	15:42	00:00	00:10				End of Workshop

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