

Scientific presentations (only as first-author/presenter)

2023

March

A multiple spacecraft detection of the 2 April 2022 M-class filament eruption during the first close Solar Orbiter perihelion
Solar Orbiter WGs, online, **Contributed talk**

February

Modelling and observations: what is (still) needed to understand the role of magnetic fields in flares and eruptions?
ROCMI meeting, Svalbard (Norway), **Invited Review talk**

2022

November

Solar Orbiter and the solar/heliospheric fleet coordinated observations of a filament eruption: a test bed for a global eruptive flare model
ESA Science Workshop (Netherlands), **Contributed talk**

October

Origins of space weather phenomena at the Sun: additional constraints from multi-spacecraft observations and the Solar Orbiter mission
International Space Weather Initiative (online), **Invited Review talk**

September

The 3D standard model of eruptive solar flares put to test during the Solar Orbiter first active region observation campaign. **Poster**

+

Solar Orbiter and the solar/heliospheric fleet coordinated observations of a filament eruption: a test bed for a global eruptive flare model
Contributed talk

Solar Orbiter science workshop (Belfast, UK)

Origins of space weather phenomena at the Sun: energy build-up, triggers and propagation
Plasma Explosions in the Universe (Kyoto, Japan + online), **Invited Review talk**

August

Interpreting the 2-step Forbush Decrease with a closer look at the two substructures modulating galactic cosmic rays **Poster**

+

Magnetic field of interplanetary ejecta **Invited Solicited talk**
COSPAR 2022 (Athens, Greece)

May

Multi-instrument views of the April 2nd 2022 filament eruption
EUI weekly science seminars (online), **Contributed talk**

April

Questions (and answers) raised by the modulation of galactic cosmic rays within CME substructures
Bepi Colombo Cruise Science Working Group (online), **Contributed talk**

2021

February (postponed from September 2020)

M. Janvier

Generic profile evolution of interplanetary CMEs and flux ropes in the inner heliosphere
COSPAR 21 Hybrid meeting, Sydney (Australia), **Invited Solicited talk**

2020

October

M. Janvier

How multi-spacecraft studies of Interplanetary CMEs provide insights into their evolution
Bepi Colombo Cruise Science Working Group (online), **Talk**

July

M. Janvier

“Evolution and propagation of I/CMEs and shocks”
Solar Orbiter/METIS Science working team (online), **Talk**

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2019

October

M. Janvier

Combining observations, models and numerical tools for a better understanding of solar eruptions
European Fusion Theory Conference, Ghent (Belgium), **Invited Review talk**

September

M. Janvier

Space weather and high energy phenomena
Hinode-IPELS joint meeting, Tokyo (Japan), **Invited Review talk**

July

M. Janvier, R. Winslow, S. Good et al

The Generic magnetic profiles of ICMEs from superposed epoch analyses
FRESWED Conference, San Juan (Argentina), **Talk**

May

M. Janvier

Lecture on solar physics
International School in Plasma Physics, Les Houches (France), **Lecture**

M. Janvier, R. Winslow, S. Good et al

The Generic magnetic profiles of ICMEs at Mercury, Venus and Earth
European-China Solar Physics Conference, Hvar (Croatia), **Poster**

2018

July

M. Janvier, R. Winslow, S. Good et al

Constructing a generic ICME from statistical studies of in situ data
COSPAR 20, Pasadena (USA), **Talk**

July

M. Janvier, R. Winslow, S. Good et al

Les CMEs dans le milieu interplanétaire: profils typiques à Mercure, Venus et la Terre
Journées Sf2A, Bordeaux (France), **Talk**

June:

M. Janvier

Solar flares modelling and IRIS observations
IRIS meeting, Göttingen (Germany), **Invited Review talk**

2017

November

M. Janvier,

Interplanetary CMEs and shocks: from detection to models
The Legacy of Jean-Louis Steinberg, Meudon (France), **Invited Review talk**

M. Janvier

Lecture on Flares ; Lecture on CMEs
Space Challenge Online School, Sofia (Bulgaria), **Lecture**

October

M. Janvier, R. Winslow, S. Good et al

Superposed epoch analysis of ICMEs at Mercury, Venus and Earth
Parker Solar Probe Meeting, Baltimore (USA), **Poster**

July

M. Janvier, B. Lynch

Understanding the structure and morphology of CMEs
SHINE, St Sauveur (Canada), **Scene-setting talk**

M. Janvier,

Is there a generic mechanism behind Self-Organisation during solar flares?
Festival de théorie, Aix-en-Provence (France), **Review talk**

M. Janvier,

Ejections Coronales de Masse : Le devenir des éruptions solaires dans le milieu interplanétaire
Journées Société Française de Physique, Orsay (France), **Invited Review talk**

M. Janvier,

« Slipping magnetic reconnection in solar flares »
Journées Reconnexion magnétique, Paris(France), **Invited talk**

May

M. Janvier

CMEs: Filling the gap between early coronal developments and interplanetary detection
First China-Europe Solar Physics Meeting, Kunming (China), **Invited Review talk**

2016

December

M. Janvier, P. Démoulin, S. Dasso, J. Masias-Meza

Tracing the Evolution of ICMEs from Sun to Earth
American Geophysical Union, San Francisco (USA), **Invited Review talk**

September

M. Janvier, A. Savcheva, E. Pariat, S. Tassel, S. Millholland, V. Bommier

Evolution of flare ribbons, electric currents and QSLs during flares
Hinode-10, Nagoya (Japan), **Poster**

July:

M. Janvier, A. Savcheva, E. Pariat

Combining observations, extrapolations and 3D numerical simulations for solar flare modelling
COSPAR, Istanbul (Turkey), **Solicited talk** →meeting cancelled due to political circumstances

M. Janvier, P. Démoulin, S. Dasso, J. Masias-Meza

Constructing a generic ICME at 1AU from statistical studies of in situ data
COSPAR, Istanbul (Turkey), **Solicited talk** →meeting cancelled due to political circumstances

May

M. Janvier,

“Combining observations, extrapolations and 3D numerical simulations for solar flare modelling”
Kavli Discussion Meeting, Chicheley Hall (United Kingdom), **Invited Review talk**

April

M. Janvier

“Understanding ICME observational signatures”
Solar Orbiter Science Activity Planning, Alcalá (Spain), **Invited Review talk**

M. Janvier

“Overview: coronal observations, MHD simulations & 3D modelling”
SolarNet Workshop, Dorking (United Kingdom), **Invited Review talk**

March

M. Janvier, P. Démoulin, S. Dasso, J. Masias-Meza

“Détermination de la forme générique des CMEs interplanétaires à 1AU”
Colloque à mi-parcours, PNST, Hendaye (France) **Poster**

January

M. Janvier

“ICME properties at 1AU: from a generic shape to magnetic field budgets”

Science for Space Weather, Goa (India), **Invited talk**

2015

September

M. Janvier, P. Démoulin, S. Dasso

“Using in situ data to obtain the most generic shape of ICMEs”

First Joint SPP/Solar Orbiter workshop, Artimino (Italy), **Talk**

May

M. Janvier, P. Démoulin, S. Dasso

“The most generic shape of interplanetary CMEs: a comparison of models and interplanetary event catalogues.”

HELCASTS First annual open workshop, Göttingen (Germany), **Invited review**

M. Janvier

Updates on the study of active regions involved in X-class flares during the SDO era

ISSI working group on solar and stellar flares, Bern (Switzerland), **Talk**

2014

December

M. Janvier, A. Savcheva, E. Pariat, V. Bommier

“3D reconnection: eruptive flare model versus observations”

Royal Astronomical Society – Specialist meeting, London (United Kingdom), **Poster**

November

M. Janvier, G. Aulanier, P. Démoulin

“Slipping magnetic reconnection during solar flares”

Conference on Coupling and Dynamics of the Solar, IUGAA, Pune (India), **Invited talk**

September

M. Janvier, P. Démoulin, S. Dasso

“Statistical analyses of small and large flux ropes in the solar wind”

14th European Solar Physics Meeting, Dublin (Ireland), **Talk**

September

M. Janvier

“Solar activity: flares and launching of coronal mass ejections”

STFC Advanced Summer School in Solar Physics, Dundee (United Kingdom), **Lecture**

July

M. Janvier,

“Modelling eruptive flares with torus-unstable flux ropes”

SEREN Workshop on space weather, Abingdon (United Kingdom), **Talk**

June

M. Janvier, G. Aulanier, P. Démoulin

“Characteristics of solar flares: coronal observations, MHD simulations and 3D modelling”

Solar and Stellar flares: observations, simulations and synergies, Prague (Czech Republic), **Invited review**

June

M. Janvier, P. Démoulin, S. Dasso

“Investigating mean geometries of interplanetary structures from the statistical analysis of in situ data”

Solar and Stellar flares: observations, simulations and synergies, Prague (Czech Republic), **Poster**

February

M. Janvier,

“The standard flare model: MHD simulations and coronal observations”

ISSI working group on solar and stellar flares, Bern (Switzerland), **Talk**

February

M. Janvier, G. Aulanier, V. Bommier, B. Schmieder, P. Démoulin

“Evolution of electric currents and their connection with the 2011 February 15 X-class flare ribbons”

Meeting PNST, Sète (France), **Talk**

2013

November

M. Janvier, G. Aulanier, V. Bommier, B. Schmieder, P. Démoulin

“Evolution of electric currents and their connection with the 2011 February 15 X-class flare ribbons”

Hinode 7th Meeting, Takayama (Japan), **Talk**

July

M. Janvier

Reconnection Round Table : “Reconnection in 3D: study of eruptive flares”

Festival de Theorie 2013, Aix-en-Provence (France), **Talk**

June

M. Janvier, P. Démoulin, S. Dasso

“Flux rope axis geometry of magnetic clouds deduced from in situ data”

IAU S300 « Nature of prominences and their role in space weather » Paris (France), **Talk**

2012

September

M. Janvier, G. Aulanier, B. Schmieder, E. Pariat,

“3D Slip-running reconnection and formation of post-flare loops”,

Plasma days on magnetic reconnection, Paris (France), **Talk**

August

M. Janvier, G. Aulanier, B. Schmieder, E. Pariat,

“Slip-running reconnection for solar post-flare loops”,

International Cambridge Workshop on Magnetic Reconnection 2012, Copenhagen (Denmark), **Talk**

August

M. Janvier, G. Aulanier, B. Schmieder, E. Pariat,

“Characteristics of the slip-running reconnection driving the strong-to-weak shear transition during post-flare loops formation”,

Hinode 6th Meeting, Saint-Andrews (United Kingdom), **Talk**

July

M. Janvier, G. Aulanier, B. Schmieder, E. Pariat, “Slip-running reconnection and evolution of shear in post-flare loops”, 39th COSPAR General Assembly, Bangalore (India), **Talk**

March

M. Janvier, G. Aulanier, B. Schmieder,

“L'origine du cisaillement magnétique dans les boucles post-éruptives”,

Séminaire PNST, Nice (France), **Poster**

2011

March

M. Janvier, Y. Kishimoto, J. Li,

“Critical parameters for the nonlinear destabilization of the double tearing mode in reversed magnetic shear plasmas”,

16th NEXT Workshop on plasma modelling, Kyoto (Japan), **Poster**

M. Janvier, Y. Kishimoto, J. Li,

“Origin of onset of fusion plasma disruptions and solar flare events via the study of nonlinear sudden magnetic reconnection”,

3rd Hope Meeting, Tokyo (Japan), **Poster**

(National selection by the *Japan Society for the Promotion of Science* (among the 100 nominees in the Asia-Pacific region) with Nobel Prizes and other scientific personalities: <http://www.hopemeetings.jp/>)

2010

December

M. Janvier, Y. Kishimoto, J. Li,

“Origin of the nonlinear destabilization of the double tearing mode and mechanisms”,

US-Japan Workshop on Magnetic Reconnection MR2010, Nara (Japan), **Poster**

M. Janvier, Y. Kishimoto, J. Li,

“Explosive dynamics of double tearing mode and theoretical mechanisms”,

Mini-workshop on physics and modelling of multiscale interaction in plasmas, Kyoto (Japan), **Talk**

November

M. Janvier, Y. Kishimoto, J. Li,
“Possible trigger mechanisms for the double tearing mode nonlinear destabilization”,
American Physical Society-52nd DPP meeting, C08-00002 Chicago (USA), **Talk**

October

M. Janvier, Y. Kishimoto, J. Li,
“Mechanism of structure driven nonlinear instability of double tearing mode in reversed magnetic shear plasmas”,
23rd IAEA Fusion Energy Conference, THS/P5-09, Daejeon (Korea), **Poster**

August

M. Janvier, Y. Kishimoto, J. Li,
“Study of the mechanisms leading to the nonlinear explosive growth of double tearing instabilities in fusion plasmas”,
Second International Symposium of Global COE Program “Energy Science in the Age of Global Warming (...)”, Kyoto University – Ohbaku Plaza (Japan),
Poster

June

M. Janvier, Y. Kishimoto, J. Li,
“Possible mechanisms for the nonlinear destabilization of the double tearing mode”,
1st IIFS workshop, Aix-en-Provence (France), **Talk**

May

M. Janvier, Y. Kishimoto, J. Li,
“A mechanism for the nonlinear destabilization and explosive dynamics in the double tearing mode”,
Japan Geophysical Union Annual Meeting 2010, Chiba (Japan), **Poster**

March

M. Janvier, Y. Kishimoto, J. Li,
“A Mechanism of the Nonlinear Destabilization and Explosive Dynamics in the Double Tearing Mode”,
15th NEXT Workshop, Kyoto (Japan), **Talk**

M. Janvier, Y. Kishimoto, J. Li,
“Mechanism of the nonlinear destabilization and explosive dynamics of the Double Tearing Mode”,
Workshop on physics and modelling of multiscale interaction in plasmas, Kyoto (Japan), **Talk**

2009

December 2009:

M. Janvier, Y. Kishimoto, J. Li,
“Investigation of the trigger mechanism in the explosive nonlinear growth of the Double Tearing Mode”,
19th International Toki Conference, Toki (Japan), **Poster**

November

M. Janvier, Y. Kishimoto, J. Li,
“The origin of the abrupt nonlinear growth in Double Tearing Mode”,
American Physical Society-51st DPP meeting, TP8-00129, Atlanta (USA), **Poster**

September

M. Janvier, Y. Kishimoto, J. Li,
“Numerical simulation of the interaction between the Double Tearing Mode and the ITG turbulence (II)”,
Japanese Physical Society Fall Meeting, Kumamoto University (Japan), **Talk**

August

M. Janvier, Y. Kishimoto, J. Li,
“Multiple scale nonlinear phenomena in nature: from high confinement in fusion plasmas to climate anomalies”,
First International Symposium of Global COE Program “Energy Science in the Age of Global Warming (...)”,
Kyoto University (Japan), **Poster** (+poster prize)

July 2009

M. Janvier, Y. Kishimoto, J. Li,
“Study of the dynamics of the double tearing mode in the fast growth regime”,
Festival de Theorie 2009, Aix-en-Provence (France), **Talk**

March 2009

M. Janvier, Y. Kishimoto, J. Li,
“Numerical simulation of the interaction between double tearing mode and ITG turbulence (I)”,
Japanese Physical Society Spring Meeting, Tokyo (Japan), **Talk**