

# fusion

FOR ALL

## FUSION SCHOOL 1<sup>st</sup> edition

Everything you ever wanted to know  
about magnetic confinement fusion,  
the ITER and WEST tokamaks,  
the issues at stake, and  
the challenges ahead!

30<sup>th</sup> March  
to 03<sup>rd</sup> April  
**2026**  
Cadarache Castle

iter

ORGANIZED  
BY CEA-IRFM

[fusion-for-all@cea.fr](mailto:fusion-for-all@cea.fr)

cea



# FUSION for All

30th March – 3rd April 2026 | Cadarache Castle



## PROGRAM – MONDAY 15 MARCH

<b>8:30</b>	Departure for the Cadarache Castle by CEA bus	
<b>9:00</b>	Welcome and Introduction	A.BECOULET
<b>9:15</b>	The energy landscape	J. HILLAIRET
<b>10:15</b>	Coffee break	
<b>10:30</b>	Fusion history and present context	C. FENZI
<b>11:30</b>	Coffee break	
<b>11:45</b>	Introduction aux Tokamak	P.BARABASCHI
<b>12:45</b>	Lunch	
<b>13:45</b>	Departure for the IRFM by CEA bus	
<b>14:15</b>	Collect CEA badges	
<b>15:00</b>	WEST and its auxiliary systems in Room René Gravier	
<b>15:30</b>	WEST visit	
<b>16:45</b>	Return to the Cadarache Castle	
<b>17:00</b>	Welcome reception	
<b>18:00</b>	Return to CEA Cadarache by CEA bus	





# FUSION for All

30th March – 3rd April 2026 | Cadarache Castle



## PROGRAM – TUESDAY 16 MARCH

<b>8:30</b>	Departure for the Cadarache Castle by CEA bus	
<b>9:00</b>	Magnets for Magnetic Fusion	A. TORRE
<b>10:00</b>	Coffee break	
<b>10:15</b>	Plasma heating	J. HILLAIRET
<b>11:15</b>	Coffee break	
<b>11:30</b>	Confinement, transport and impurities	C.BOURDELLE
<b>12:30</b>	Lunch	
<b>13:30</b>	Departure for the IRFM by CEA bus	
<b>14:00</b>	Visit IRFM laboratories and WEST systems Cryo platforms TITAN KLYSTRONS Control-Command room	A. TORRE J. HILLAIRET X. REGAL-MEZIN P. MOREAU
<b>16:15</b>	Return to CEA Cadarache by CEA bus	





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## PROGRAM – WEDNESDAY 1 APRIL

<b>8:30</b>	Departure for the Cadarache Castle by CEA bus	
<b>9:00</b>	Plasma-wall interaction	R.MITTEAU
<b>10:00</b>	Coffee break	
<b>10:30</b>	Materials for fusion	A.DURIF
<b>11:15</b>	Coffee break	
<b>11:30</b>	Tritium, blankets and fuel cycle	O.GASTALDI K.LIGER
<b>12:30</b>	Lunch	
<b>13:30</b>	Departure for the IRFM by CEA bus	
<b>14:00</b>	Visit IRFM laboratories and WEST systems PFC qualification Interferometry Simulation/Virtual Reality Infrared hands-on session	A. DURIF M.DOMENES H.BUFFERAND / S.GAZZOTTI X.COURTOIS
<b>16:15</b>	Return to CEA Cadarache by CEA bus	
<b>16h30</b>	Return CEA badges	





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## PROGRAM – THURSDAY 2 APRIL

<b>8:30</b>	Departure for the Cadarache Castle by CEA bus	
<b>9:00</b>	Operation, plasma scenarios and experiments	P.MOREAU
<b>10:00</b>	Coffee break	
<b>10:30</b>	Landscape of magnetic fusion devices in the world	E. JOFFRIN
<b>11:15</b>	Coffee break	
<b>11:30</b>	Operation of tokamak in nuclear environment	J-P. FRICONNEAU
<b>12:30</b>	Lunch	
<b>13:30</b>	Group picture	
<b>14:00</b>	Round Table : Artificial Intelligence and Fusion	
<b>16:30</b>	Poster session, snack	
<b>17:30</b>	Return to CEA Cadarache by CEA bus	
<b>18:30</b>	ITER Bus	





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## PROGRAM – FRIDAY 3 APRIL

<b>8:30</b>	Departure for the Cadarache Castle by CEA bus	
<b>9:00</b>	The ITER project (and safety aspects)	A.BECOULET / TBD
<b>10:00</b>	Coffee break	
<b>10:30</b>	Presentation of Agence Iter Franc	F.RAYNAL
<b>11:15</b>	Coffee break	
<b>11:30</b>	Fusion power plant: principles and ongoing projects	P.MAGAUD
<b>12:30</b>	Lunch	
<b>13:30</b>	Departure for ITER by CEA bus	
<b>14:00</b>	Visit ITER and laboratories (ITER)	
<b>15h45</b>	Return to the Cadarache Castle	
<b>16h15</b>	Return to CEA Cadarache by CEA bus	







## THE SPEAKERS

**Pietro Barabaschi:**

*Director of ITER*

**Alain Becoulet :**

*Deputy Director General d'ITER*

**Hugo Bufferand :**

*Research Engineer at CEA*

**Clarisse Bourdelle :**

*Research Engineer at CEA*

**Xavier Courtois :**

*Research Engineer at CEA*

**Mickael Domenes :**

*Research Engineer at CEA*

**Alan Durif :**

*Research Engineer at CEA*

**Christel Fenzi :**

*Project Officer – Collaborations and Partnerships*

**Jean-Pierre Friconneau :**

*Research Engineer, Senior Expert at CEA*

**Olivier Gastaldi :**

*Deputy Director of the ITER France Agency (AIF)*

**Stephan Gazzoti :**

*Research Engineer at CEA*

**Julien Hillairet :**

*Research Director at CEA/IRFM and Associate Professor at INSTN.*

**Emmanuel Joffrin :**

*Project Officer – JT-60SA, DTT and KSTAR*

**Karine Ligier :**

*Research Engineer at CEA*





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## THE SPEAKERS

**Philippe Magaud :**

*Deputy Director of IRFM*

**Raphaël Mitteau :**

*Research Engineer at CEA*

**Philippe Moreau :**

*Head of the Plasma Control and Fueling Group (GPAM)*

**Fabrice Raynal :**

*Head of the ITER France Agency (CEA) since November 1, 2023*

**Xavier Régis Mézin :**

*Research Engineer at CEA*

**Alexandre Torre**

*Head of the Superconducting Magnets Group (GAIM)*







# FUSION for All

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## PRACTICAL INFORMATION

The IRFM is organizing the fifth edition of the “Fusion for All” school.

**The training course will take place from March 30 to 3 April, 2026, at the Cadarache Castle.**

The registration fee is €2,650 (incl. VAT) and includes:

- lectures
- laboratory visits
- transport for visits
- coffee breaks, lunch at the Château’s restaurant, welcome evening and debate evening..

**If you require accommodation, the Château de Cadarache can host you. Please contact them at +33 (0)4 42 25 79 10.**

More information: [fusion-pour-tous@cea.fr](mailto:fusion-pour-tous@cea.fr)

