

EFTC 2017

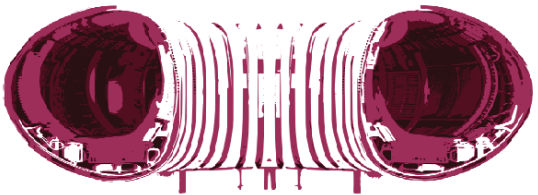
17TH EUROPEAN FUSION THEORY CONFERENCE

9 – 12 OCTOBER 2017, ATHENS – GREECE

Welcome from the Organizers

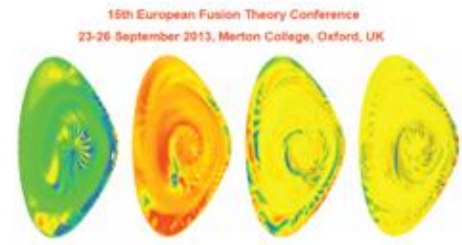
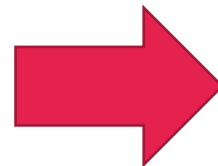
Practical information



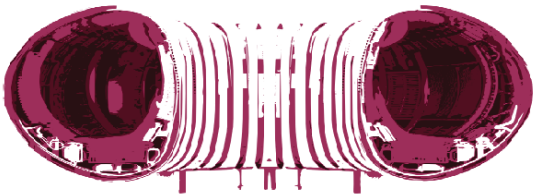


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WELCOME TO EFTC-17

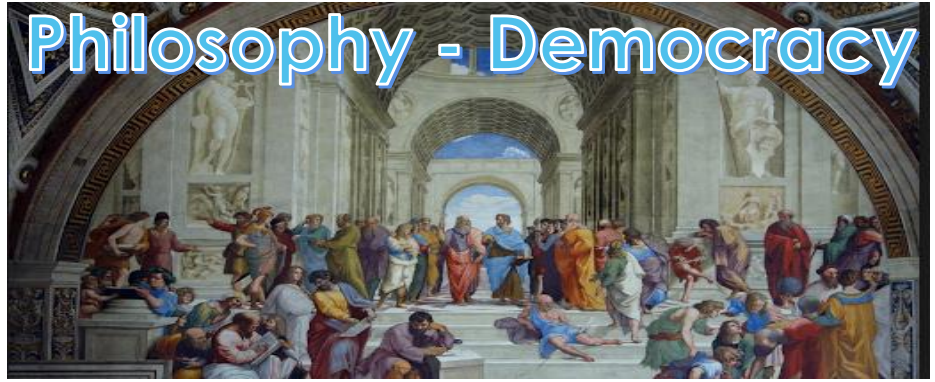


... from Riga, Frascati, Oxford and Lisbon... to Athens!



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WELCOME TO ΑΘΗΝΑ



*Information
on Athens
history
and
landmarks*

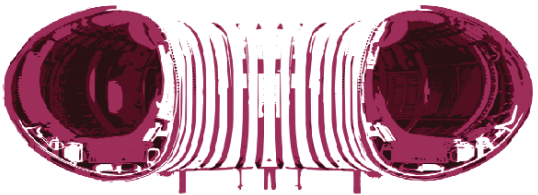


EFTC 2017 17th European Fusion Theory Conference
9-12 October 2017, Athens - Greece

City information for
conference participants

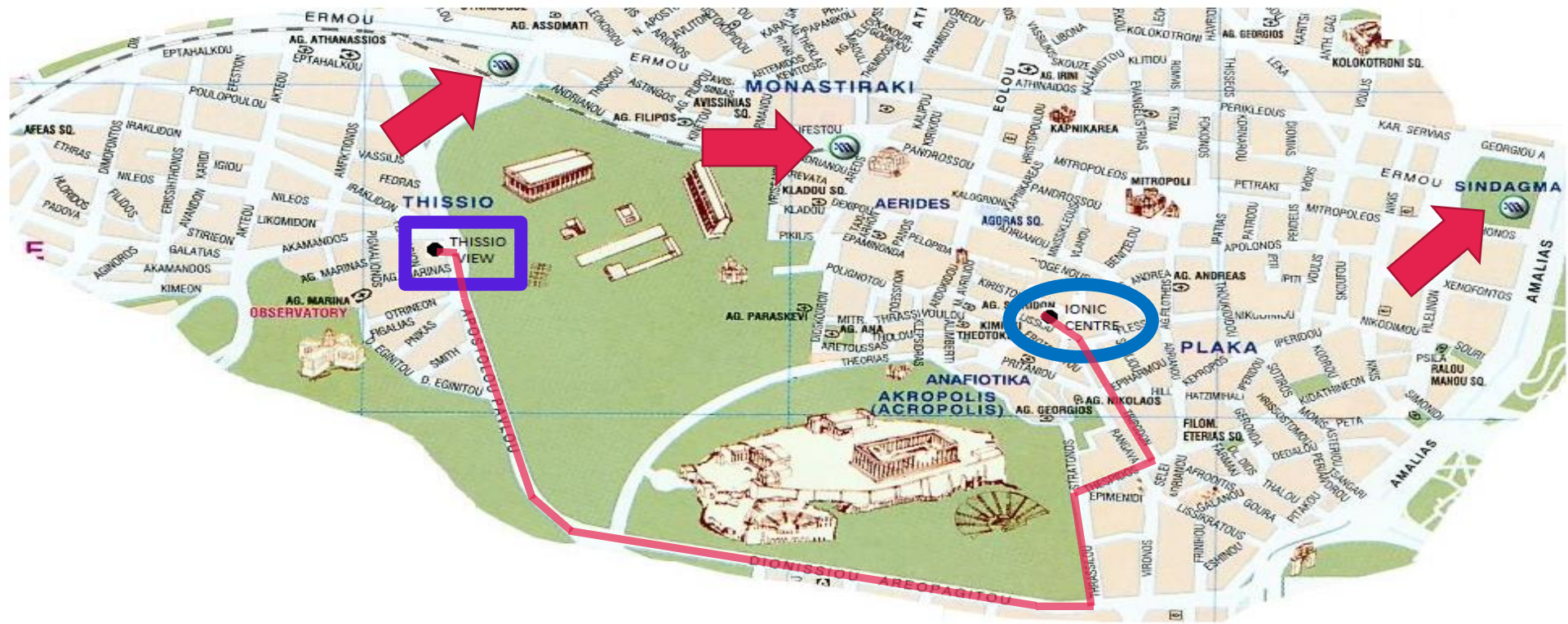
The conference is organized by
National Program of Cultural
Partnerships & Exchanges

Organizing Secretariat
IONIN

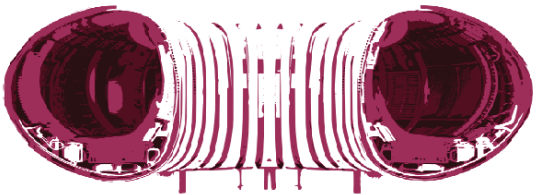


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THE EFTC-17 NEIGHBORHOOD



Getting around the historical city center (Plaka, Monastiraki, Thissio, ...)



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MEET THE ORGANIZERS

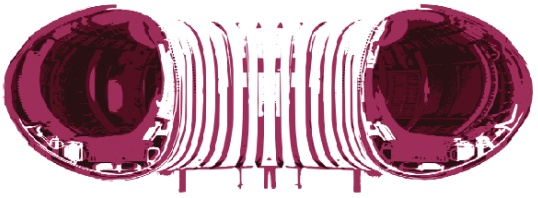


**Association
EURATOM
Hellenic
Republic
(HELLASfusion)**

**Conference
Secretariat**

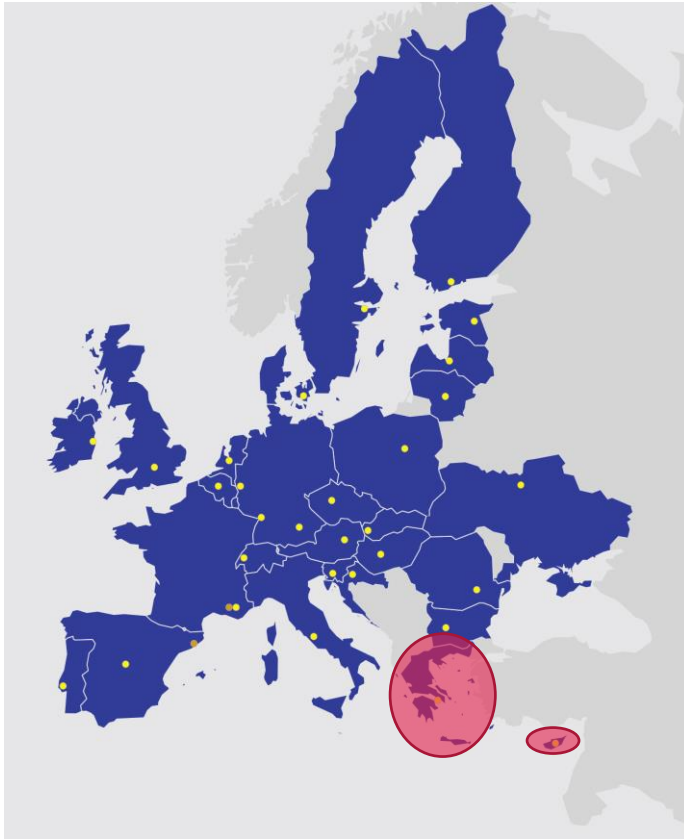


**Professional Congress
Organizers Conventions
& Incentives
(PCO CONVIN)**

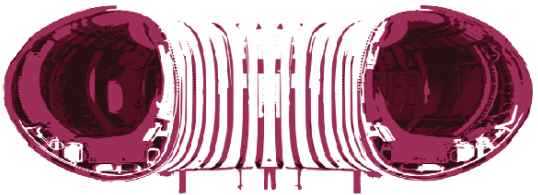


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HISTORY OF HELLENIC FUSION




- **Before 1999** *Isolated researchers & small groups*
 - *European Funding Scheme ---> Individual Proposals*
- **1999** *Association EURATOM – Hellenic Republic*
 - *European Funding scheme ---> Contract of Association
Mobility Contract
F4E Contracts*
- **2007** *Transnational Association (+ Republic of Cyprus)*
 - *European Funding Scheme ---> same as from 1999*
 - *Transnational scheme was retained until the end of 2013*
- **From 2014** *Beneficiary (NCSRDF) in EUROfusion Consortium*
 - *European Funding Scheme ---> EUROfusion Work Packages
F4E Contracts*



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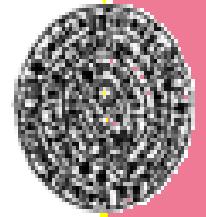
OVERVIEW OF HELLASFUSION




UI (G. Throumoulopoulos)
MHD
EQUILIBRIA  **6**



AUTH (L. Vlahos)
TRANSPORT
RF WAVES
MHD  **3**




FORTH (P. Laloussis)
MHD/FLUID CODES
PELLET FUELLING
BURNING PLASMAS  **3**



NTUA (K. Hizanidis)
HEATING & CURRENT DRIVE
RF WAVES
TRANSPORT  **15**




NCSR (K. Mergia)
RADIATION RESISTANT MATERIALS
PERFORMANCE VALIDATION
RADIATION TRANSPORT  **11**



NKUA (I. Tigelis)
GYROTRONS
BEAM TUNNELS  **8**



TUC (S. Moustazis)
NEGATIVE H-D-ION BEAMS
BURNING PLASMA
PELLET FUELLING  **3**



UTH (D. Valougiorgis)
FUELLING/PUMPING - VACUUM SYSTEMS
LIQUID METAL FLOWS
BLANKET DESIGN  **14**



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WPs & COLLABORATIONS

➤ Participation in EUROfusion Work Packages

- *Intrinsic rotation (WPJET1), Plasma-Facing Components for ITER (WPJET2), DT Operation (WPJET3)*
- *Experimental data analysis in TCV and ASDEX Upgrade (WPMST1)*
- *Assessment of alternative divertor geometries and liquid metals PFCs (WPDTT1)*
- *Heating and Current Drive systems (WPHCD)*
- *Tritium, fuelling & vacuum systems (WPTFV)*
- *Materials (WPMAT)*
- *Enabling Research proposals (WPENR) ---> Runaway electrons, Edge density fluctuations*
- *F4E projects ---> GRT-553 for the European Gyrotron Development*

➤ International collaborations

- *Germany ---> IPP Garching, FZ Juelich, KIT*
- *United Kingdom ---> CCFE, JET*
- *France ---> CEA Ecole Polytechnique Saclay, U Bordeaux*
- *Rest of Europe ---> EPFL (CH), ENEA (IT), DIFFER (NL), ULB (BL), OAW (AUT) +++*
- *United States ---> PSFC – MIT, U Texas*



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CONFERENCE PROGRAMME

Hour/Date	Monday 9/10/2017	Tuesday 10/10/2017	Wednesday 11/10/2017	Thursday 12/10/2017
08:00-08:30	Registration			
08:30-09:00	Opening and welcome			
09:00-09:50	Tutorial (50') A. White [I.1]	Tutorial (50') F. Pegoraro [I.2]	Tutorial (50') F. Zonca [I.3]	Tutorial (50') F. I. Parra [I.4]
09:50-10:30	Topical (40') A. Mishchenko [I.5]	Topical (40') G. N. Throumoulopoulos [I.9]	Topical (40') X. Wang [I.12]	Topical (40') J. A. Alonso [I.15]
10:30-11:10	Coffee break	Coffee break	Coffee break	Coffee break
11:10-11:50	Topical (40') T. Puetterich [I.6]	Topical (40') C. J. Ham [I.10]	Topical (40') T. Kurki - Suonio [I.13]	Topical (40') A. Geraldini [I.16]
11:50-12:30	Topical (40') C. Riconda [I.7]	Topical (40') A. Zocco [I.11]	Topical (40') Ye. O. Kazakov [I.14]	Topical (40') R. Jorge [I.17]
12:30-14:00	Lunch break	Lunch break	Lunch break	Closing (~ 15')
14:00-14:20	Contributed (20') H. Isliker [O.1]	Contributed (20') V. Bandaru [O.5]	Contributed (20') Z. X. Lu [O.8]	
14:20-14:40	Contributed (20') M. Ottaviani [O.2]	Contributed (20') N. Ohana [O.6]	Contributed (20') M. Held [O.9]	
14:40-15:00	Contributed (20') E. Fable [O.3]	Contributed (20') F. Palermo [O.7]	Contributed (20') C. V. Atanasiu [O.10]	
15:00-15:20	Contributed (20') C. F. Beadle [O.4]	Poster session 1 [P1.1 – P1.22]	Poster session 2 [P2.1 – P2.22]	Tour (~ 4 h)
15:20-15:40	Coffee break	Coffee break	Coffee break	
15:40-16:20	Topical (40') G. J. Wilkie [I.8]			
16:20-17:00		Poster session 1 (cont.)	Poster session 2 (cont.)	
18:30-19:30	Reception			
19:30-22:30			Banquet	



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SOCIAL EVENTS

Welcome Reception



- **Monday 9/10/17, 18:30**
- **@ Theoreion**
- **Terrace of Ionic Centre**
- **Conference photo --> 18.30**

Conference Dinner



- **Wednesday 11/10/17, 19:30**
- **@ Thissio View**
- **Ap. Pavlou & Ag. Marinas Str.**
- **Navigation details will follow**

Archaeological Tour



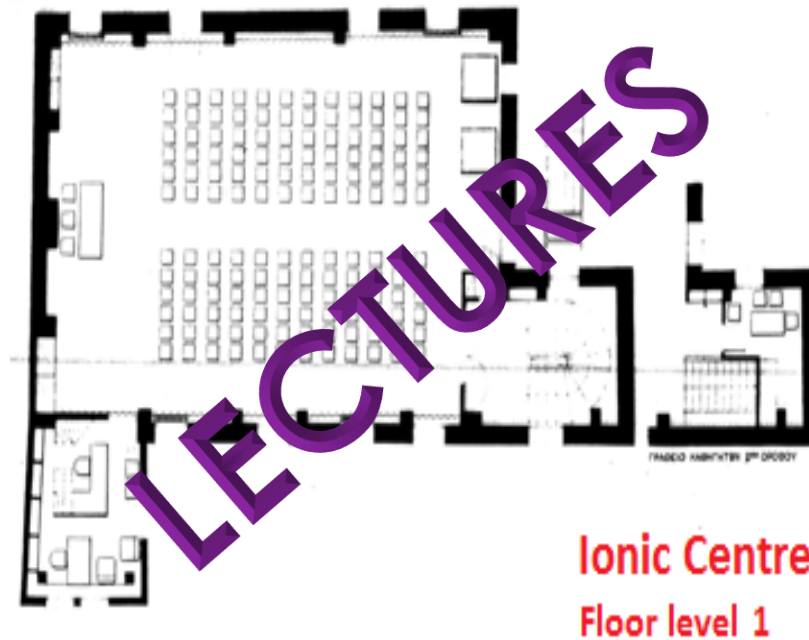
- **Thursday 12/10/17, 15:00**
- **Akropolis Hill & Museum**
- **Start from Ionic Centre**
- **Tickets --> Registration desk**

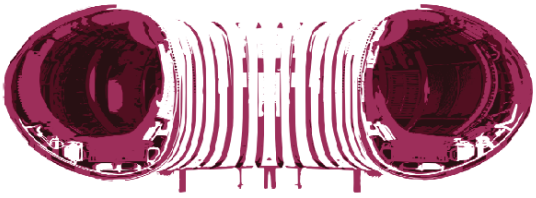


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PRACTICAL INFORMATION

Map & floor plan of the Ionic Centre (where is what)





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PRACTICAL INFORMATION

➤ **Preparation of oral (invited & contributed) presentations**

- *Please bring your slides in electronic media form (CD/DVD, USB flash drive, external hard disk) to upload & check on the computer at the conference hall.*
- *Please take care of including 3 – 5 minutes to your presentation for questions and discussion.*
- *It is preferable that the conference computer is used for the presentations, in order to minimize technical connection problems and delays between the presentations.*

➤ **Preparation for the poster sessions**

- *Posters may be displayed on the day of the session from 8.30 to 17.00.*
- *Please mount your poster by 14.00 on the day of the session of your presentation and unmount after the end of the session.*
- *All necessary material to mount the poster will be available at the poster area or can be collected by the registration desk.*
- *All posters will be allocated by their abstract ID number (Px.yy, where $x = 1 - 2$ and $y = 1 - 22$).*



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PRACTICAL INFORMATION

➤ **Wi-fi internet access**

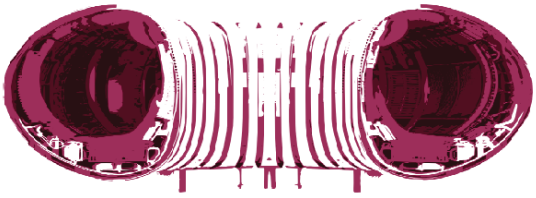
- *SSID name and password of 2 wi-fi spots ---> See posters on the conference hall.*

➤ **Registration Desk (location and working hours)**

- *The Registration Desk will be located on the main lobby (ground floor).*
- *Open hours (for registration and inquires):*
 - *Monday, October 9, 2017 08.00 - 16.30*
 - *Tuesday, October 10, 2017 08.30 - 17.00*
 - *Wednesday, October 11, 2017 08.30 - 17.00*
 - *Thursday, October 12, 2017 08.30 - 14.30*

➤ **Certificates of attendance**

- *Certificates of attendance to the conference will be given upon request.*
- *Send an e-mail of request to the LOC ---> eftc17@astro.auth.gr*



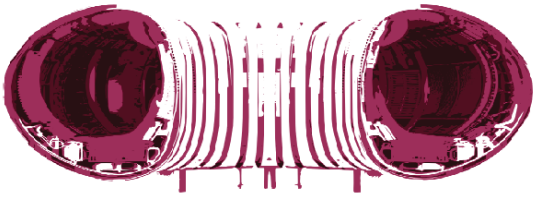
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PAPER COLLECTION @ JPP



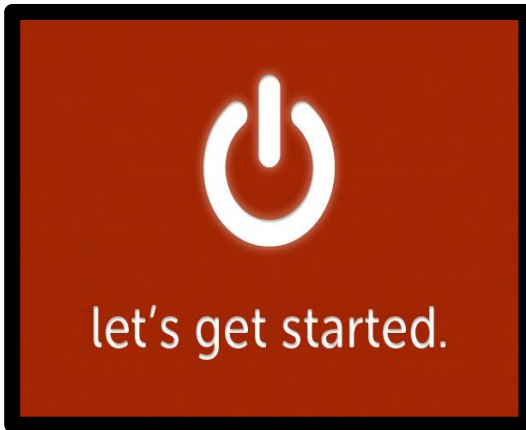
➤ **Invited contributions to the Journal of Plasma Physics**

- *A special issue of the Journal of Plasma Physics is scheduled for the talks and posters presented at the EFTC-17 conference.*
- www.cambridge.org/core/journals/journal-of-plasma-physics
- *The submitted papers should reflect good quality, original (research or review – tutorial) work.*
- *The papers will be peer-reviewed by at least two referees, and the final decision on acceptance/rejection will be based on the scientific judgment of the editor.*
- *Papers will be published as soon as they are accepted.*
- *There is no limit to the length of the paper, and also no page charges applied under the traditional publication scheme*
- *Submission is expected to open right after the conference, and will be announced on the conference webpage*



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EFTC-17 KICKOFF



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