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APRIL – MAY 2023



A.N.T. INTERNATIONAL®

*Boosting your Excellence through  
Knowledge and Training*

## Invitation and Seminar Schedule of

Zirconium Alloy Technology (ZIRAT),  
LWR Chemistry and Component Integrity (LCC)

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# Welcome To Our Annual Seminars

We are pleased to announce the arrangements for the ZIRAT27 and LCC18 Seminars that will take place in USA (ZIRAT27) and Spain (ZIRAT27 and LCC18).

*These seminars are open to all current ZIRAT27 and LCC18 members:*

- In USA, the ZIRAT27 Seminar will be hosted by EPRI, USA and will be held at 1200 W W.T. Harris Blvd, Charlotte, NC 28262, Building III, Conference room 741 on May 2-4, 2023.
  - In Europe, the LCC18 and ZIRAT27 seminars will be hosted by Iberdrola Generacion Nuclear in Madrid and will be held on the Iberdrola Campus in San Agustin de Guadalix. This is the same as the ZIRAT26/LCC17 seminar location in 2022.
- » The LCC18 Seminar will be held on April 12-14, 2023 in Spain.
- » The ZIRAT27 Seminar will take place on May 2-4, 2023 in USA and April 12-14, 2023 in Spain.



# LCC18 Seminar Presentations

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**The following reports will be presented:**

- Assessment of radionuclide inventories at LWR decommissioning – Lessons learnt from the Barsebeck BWRs by Klas Lundgren.
- PWRs operation and maintenance - Feedwater plant and other secondary components – Mechanical components by François Cattant.

**Presentation without Reports will be prepared within the LCC18 Programme as follows:**

**Presentations by:**

- *Gary Was*
  - PWR material degradation and mitigation
- *Igor Škorvaga*
  - Primary and Secondary Water Chemistry - operating experience, applied advances and planned developments at both Slovak VVER NPPs (Bohunice V2 and Mochovce 1,2,3).
- *Jiixin Chen*
  - Coolant-side corrosion of reactor materials in LWRs and deposition of radioactive species
- *Juan de Dios*
  - Cooling water systems and its degradation
    - Part 1. Introduction and Closed Cooling Systems
    - Part 2. Open Cooling Systems
- *Klas Lundgren*
  - Assessment of radionuclide inventories at LWR decommissioning – Lessons learnt from the Barsebeck BWRs

*Up to eight (8) persons employed by a LCC18 Member organisation can attend the LCC18 Seminars in Europe.*

## LCC18 Seminar Lecturers

The presentations at the LCC18 Seminar will be given by Dr. Jiixin Chen,  
Mr. Francois Cattant, Mr. Klas Lundgren, Prof. Gary Was,  
Mr. Juan de Dios Sánchez and Mr. Igor Škorvaga



# ZIRAT27 Seminar Presentations

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**At the ZIRAT27 Seminar the following Special Topic Reports will be presented by the authors:**

- Updated RIA Topic Report by Mr. Marek Stepniewski in Madrid
- Pellet-Cladding Interaction (PCI and PCMI): progress in nuclear industry by Dr. Audrius Jasiulevicius and Dr. Sheikh Tahir Mahmood in Charlotte, NC and Dr. Audrius Jasiulevicius in Madrid

**The following presentations will be given at the ZIRAT27 seminar in Charlotte, NC, USA, May 2-4, 2023 and the ZIRAT27 seminar in Madrid, Spain, April 12-14, 2023:**

- **Interim Dry Storage by**
  - Dr. Audrius Jasiulevicius and Mr. Matt Eyre in Charlotte, NC and Madrid
- **Corrosion and Hydrogen Pickup topics by:**
  - Arthur Motta in Charlotte, NC
- **VVER fuel performance**
  - Zoltán Hózer in Madrid
- **Accident Tolerant Fuel**
  - Martin Steinbrück in Madrid
  - Nicolas Waeckel in Madrid
- **Zr Alloy Creep**
  - Juan Ramos in Charlotte, NC
- **Updates of the IAEA Technical Guide on Fuel Reliability and Performance in Water Cooled Reactors**
  - Jinzhao Zhang in Madrid

*Up to eight (8) persons employed by a ZIRAT27 Member organisation can attend the ZIRAT27 Seminars in USA and Europe.*





# ZIRAT27 Seminar Lecturers

The presentations of the ZIRAT27 Seminars will be given by:  
Dr. Audrius Jasiulevicius, Prof. Arthur Motta, Dr. Martin Steinbrück,  
Mr Matthew Eyre, Dr. Tahir Mahmood, Dr. Zoltán Hózer, Dr. Marek Stepniewski,  
Dr. Nicolas Waeckel, Mr. Juan Ramos and Dr. Jinzhao Zhang



# Seminar Location and hotels in Charlotte, NC

## EPRI meeting venue

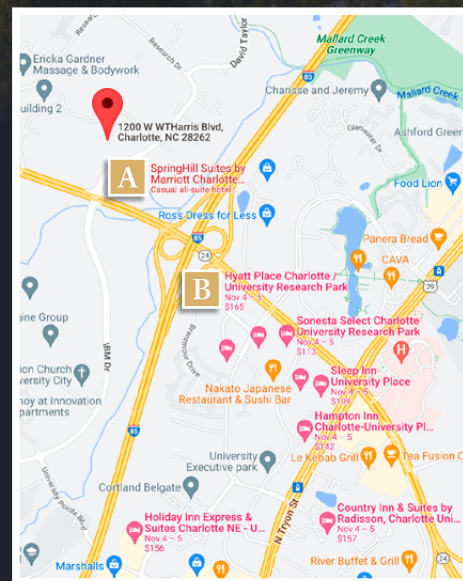
 1200 W W.T. Harris Blvd, Charlotte, NC 28262 Building III, Conference room 741

Building III hosts the EPRI cafeteria, which provides a convenient lunch option. When it comes to dinner, particularly if guests stay uptown, there is a much wider range of choices.

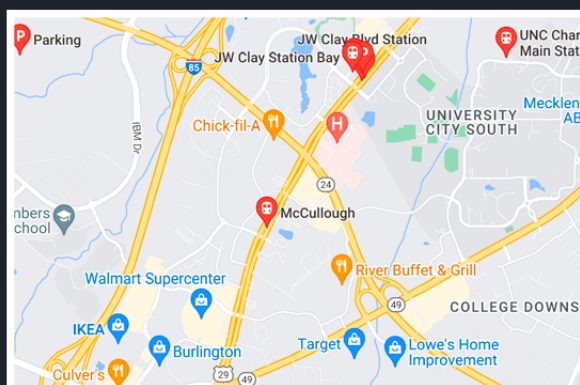
## Hotels:

In terms of proximity below are the two closest hotels (see map).

- A** [SpringHill Suites](#) by Marriott Charlotte University Research Park, 8700 Research Dr, Charlotte, NC 28262.
- B** [Hyatt Place Charlotte](#) / University Research Park, 640 University Center Blvd, Charlotte, NC 28262.



*Regarding accommodation, each participant is responsible for booking his/her own room.*



In Uptown Charlotte there are a wider range of hotels available. There is a convenient light rail that runs between Uptown Charlotte to two nearby stations. However, one has to take a taxi or Uber/Lift from these two locations (McCullough and JW Clay stations) to the EPRI offices, ~5 min ride (see map).



# Seminar Location and hotels in Alcobendas/San Sebastián de los Reyes, Spain

## Iberdrola meeting venue

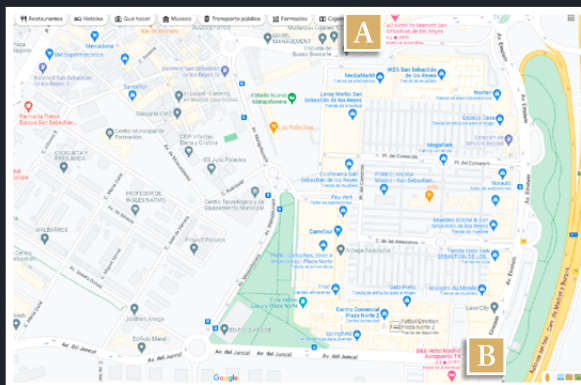
*The seminar location will be the same as for the 2022 ZIRAT26 and LCC17 seminars*

- 1 San Agustín de Guadalix  
– Seminar location
- 2 Alcobendas and San Sebastián de los Reyes – Recommended hotel area

## Hotels:

In terms of proximity below are the two closest hotels (see map).

- A [B&B Hotel](#) Madrid Aeropuerto T4
- B [AC Hotel](#) San Sebastian de los Reyes



## Transportation:

*Regarding accommodation, each participant is responsible for booking his/her own room.*

**From the airport:** There is a subway station at Adolfo Suárez Madrid-Barajas airport, to get to Madrid downtown. Then you could go to Plaza de Castilla to get the bus (lines 191 and 193). Taxi is available and recommended, just 15-30 minutes, depending on the traffic. If you choose to get to the Campus by rental car there will be free parking available for all participants.

**From Alcobendas and San Sebastián de los Reyes:** Iberdrola will kindly arrange Iberdrola busses from Alcobendas to the seminar location and back.



# Seminar Registration

In addition to hotel/room reservation, you must also register for the ZIRAT27, and/or LCC18.

Please fill out the online registration by clicking here »



*If you need assistance, please contact us via e-mail: [seminar@antinternational.com](mailto:seminar@antinternational.com)*



We cordially invite you to attend our seminars.  
*Mikaela Rudling and Peter Rudling*



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