

# Brazilian Interns Experience at Westinghouse

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# Internship Process

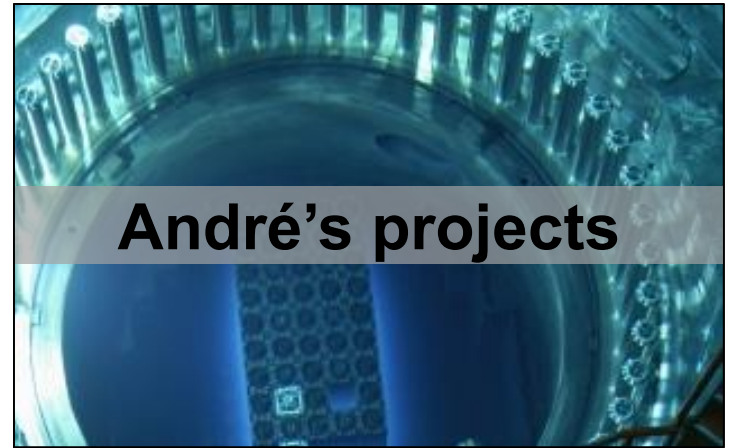
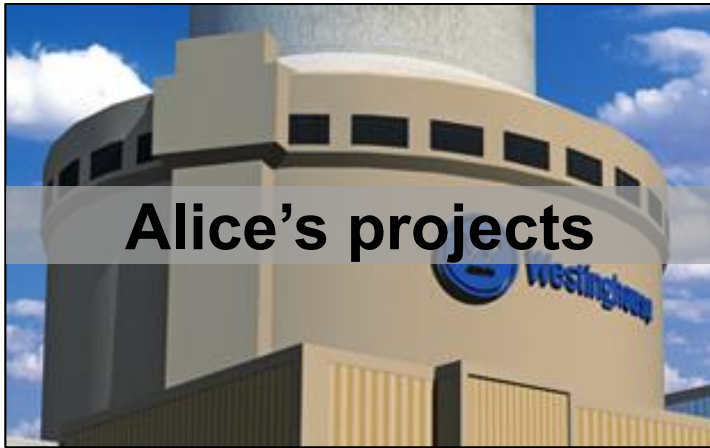
- Brazilian Mobility Program - Science Without Borders-2014
- Pennsylvania State University

Undergraduate Brazilian's Students  
At Pennsylvania State University



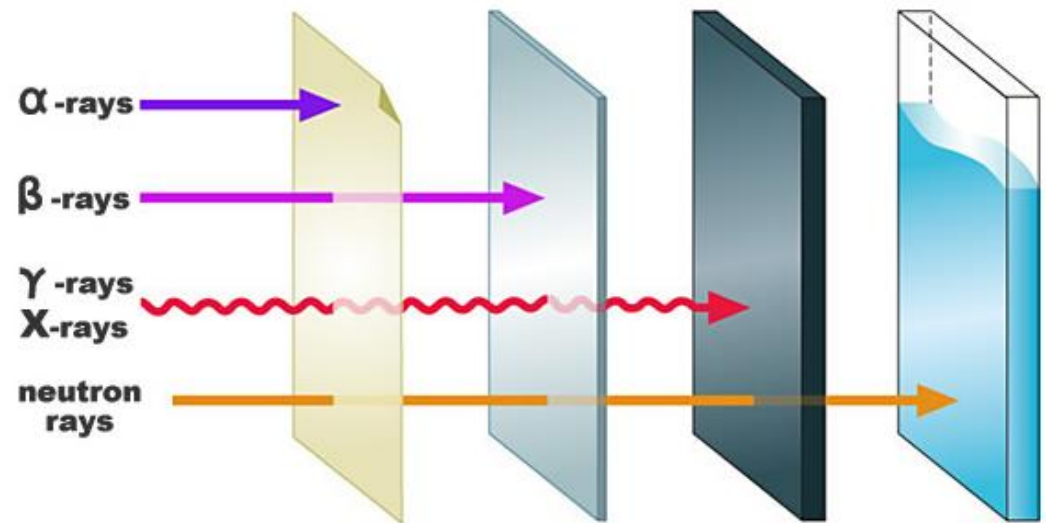


# Today we'll discuss a little about our projects and talk in general about the internship at Westinghouse.



# Shielding Analysis – Radiation Engineering & Analysis Group (2014)

- Neutron and Photon Streaming and Dose Attenuation Analysis in Common Shielding Materials
  - Radiation streaming in the concrete shield and through gaps in the pre-cast concrete slabs in some reactors floors.
  - MCNP (Requested from RSICC - Radiation Safety Information Computational Center)



# Reduced Reload Safety Analysis Checklist – Core Engineering Group (2015)

- The RSAC is issued each reload and is a selectively edited list of limiting values for those parameters that are reload sensitive and can affect the accident analysis of a plant.
- The “Reduced RSAC” (RRSAC) approach provides one method of reducing the reload safety analysis and emergency core redesign cycle time.



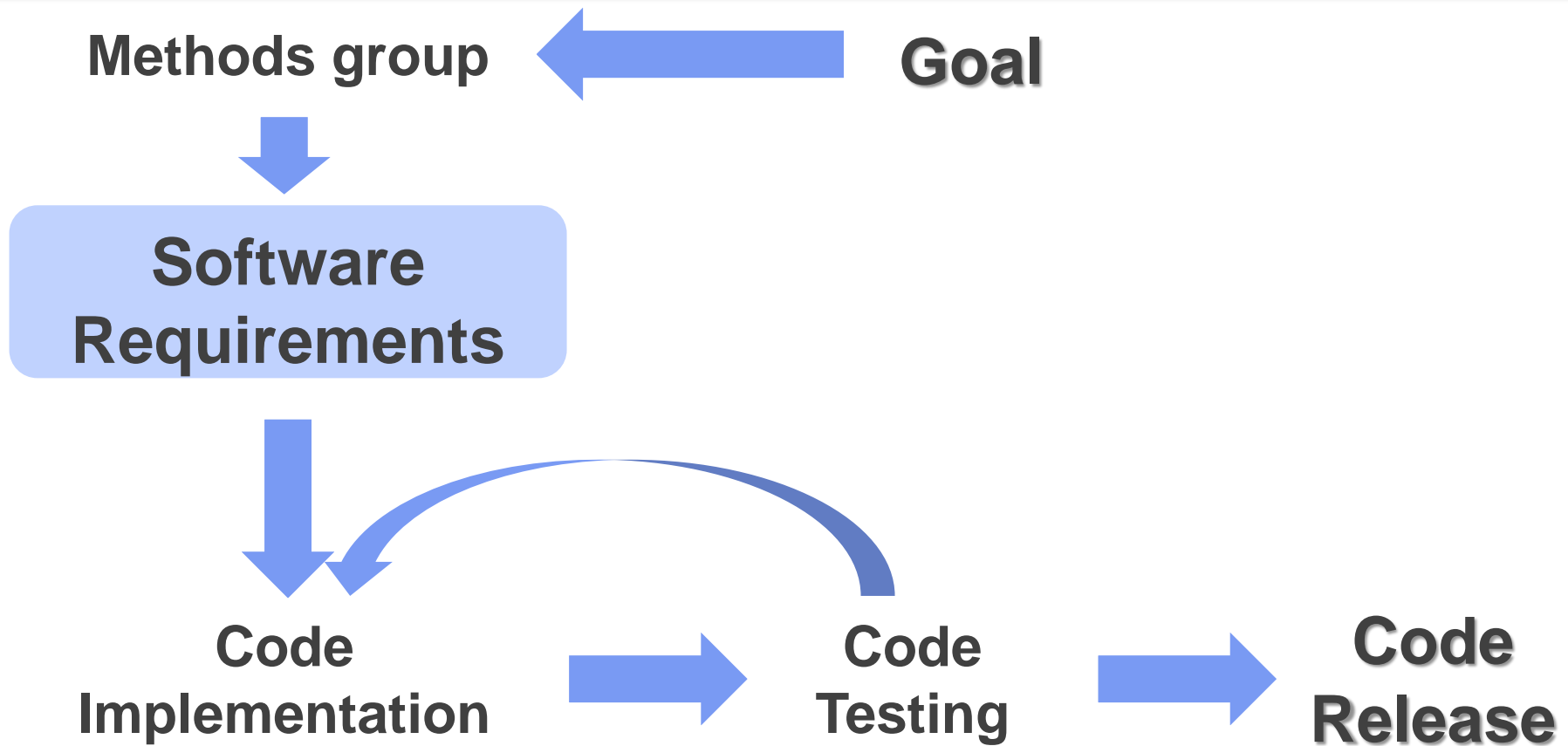
# We need to study Fast Transients when performing a BWR reload analysis (2014)

**3D Steady-State Core Simulator**



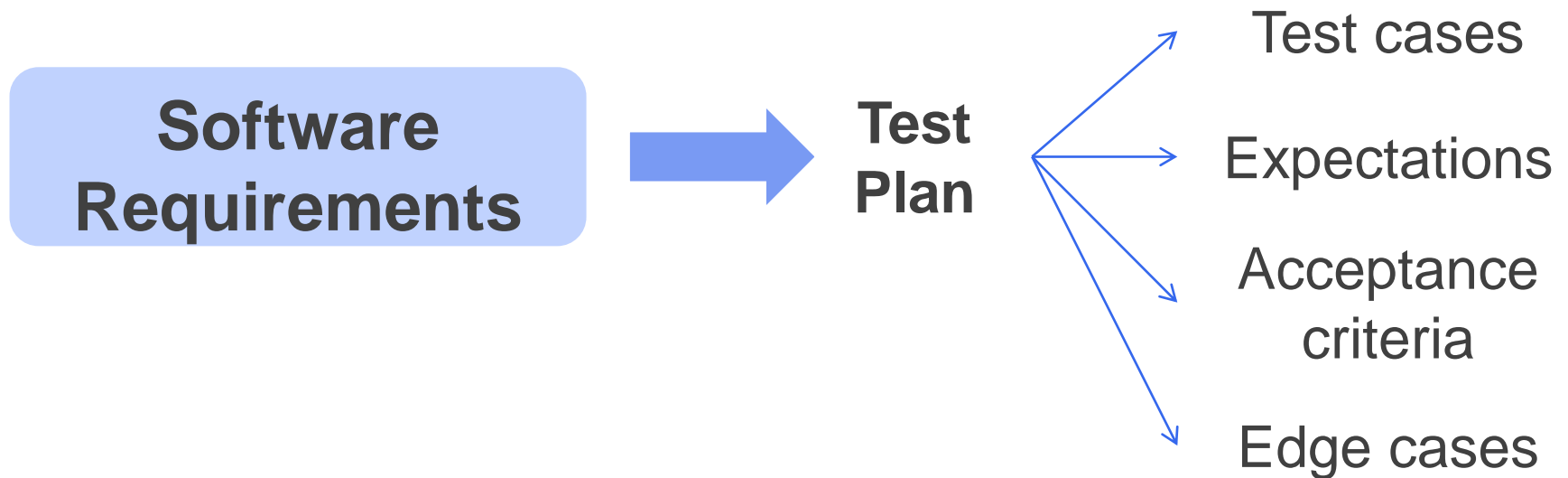
**1D Fast Transient Code**

# The software development process involves several steps, including Testing (2015)





# When code testing, we develop a test plan based on software requirements (2015)



# Interning at Westinghouse is not only just about the technical projects.

- Orientation day
- Mentoring relationship
- Breakfast with the CEO
- Intern competition within the Core Engineering group
- Wrap-up
- Barbecue with the Young Generation group from Pittsburgh

# Intern social events



Westinghouse Brazilians having lunch in Downtown Pittsburgh



Brazilian interns at a Pirates game

Core Engineering interns at the Pirates game

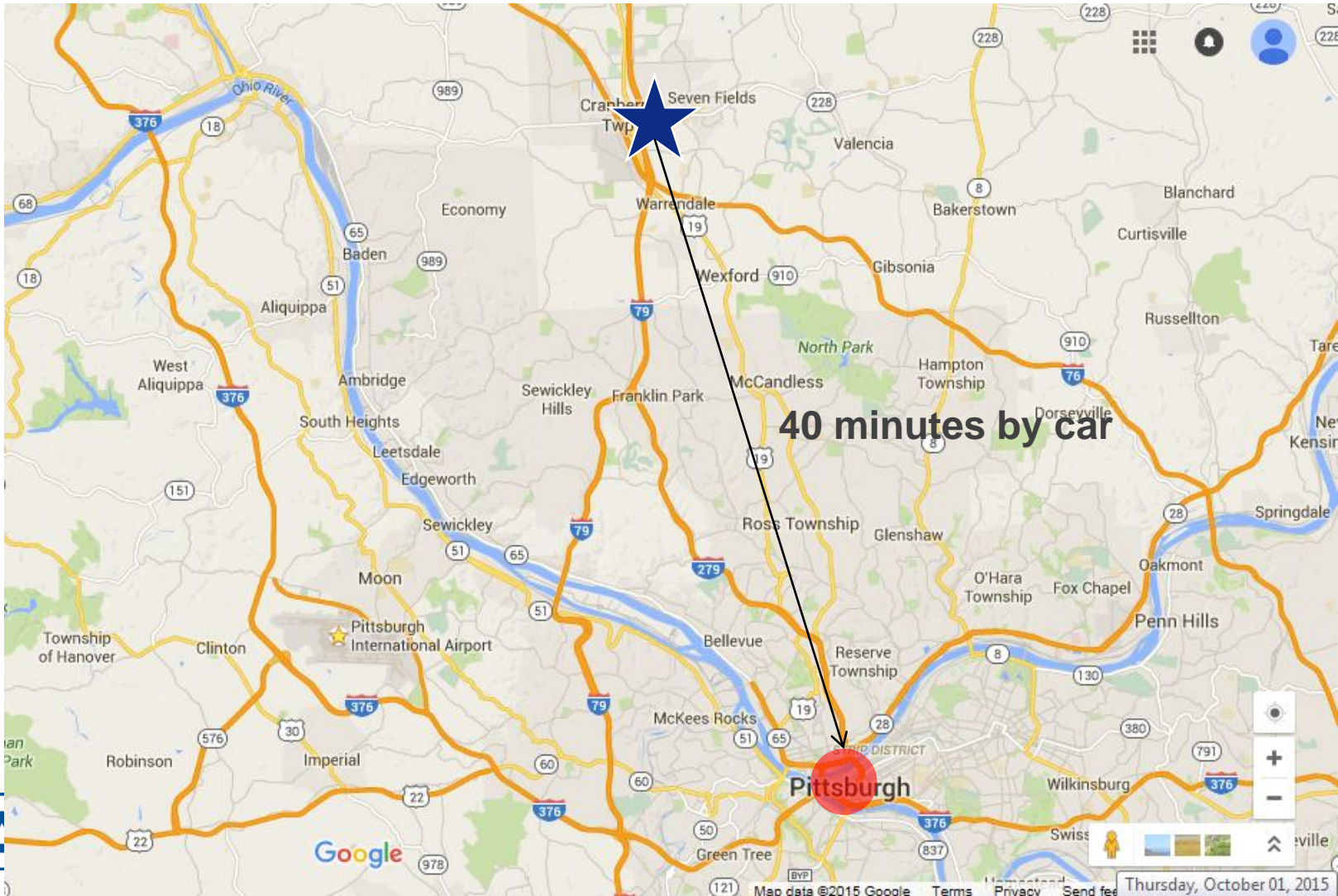


# Recommendations to future interns

- Language
- Dedication
- Be eager to learn
- Proactivity
- Food
- Weather conditions

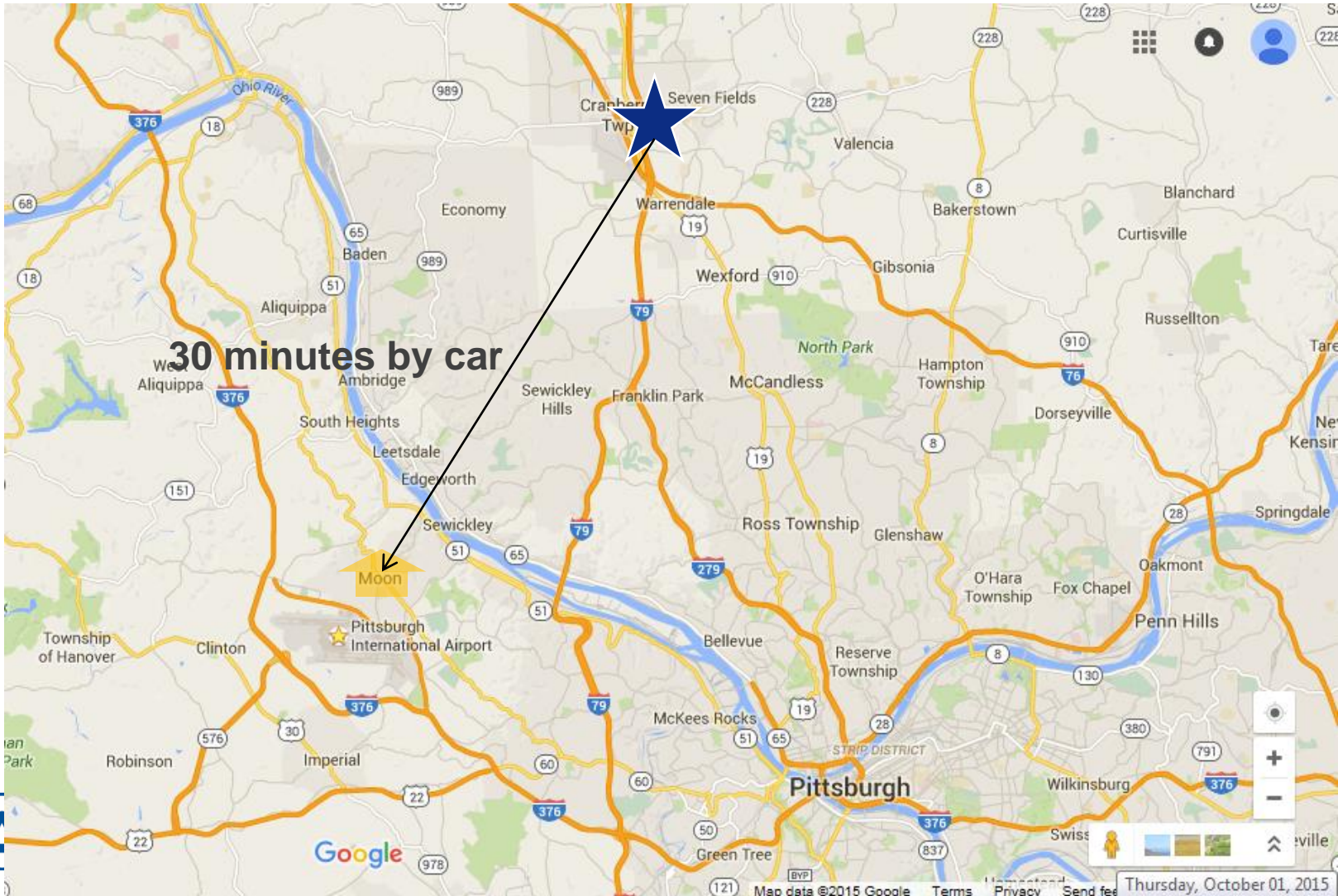


# A car is essential if you are interning at the Westinghouse Head Quarters in Cranberry Twp, PA.





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# Highlights

- Networking
- We are always learning new things
- Concern with employees' welfare
- Friendly environment to raise concerns
- Great mentoring



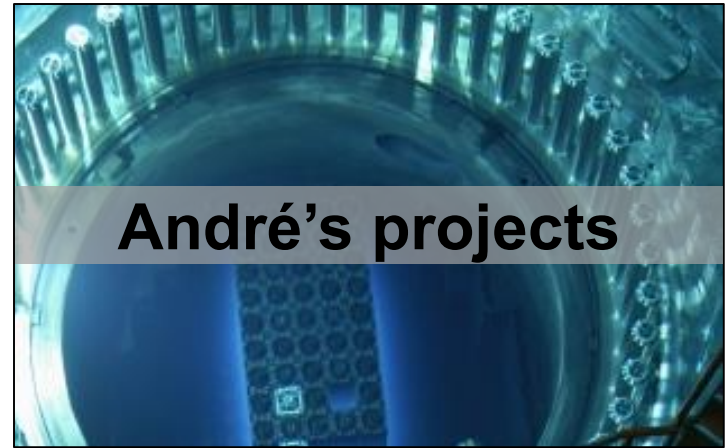
# Have fun!



During FIFA's World Cup,  
at the Westinghouse HQ



# Today we gave an overview on our projects and talked about our experience at Westinghouse.



**Questions?**

