**1st Nigerian School Plasma Physics and Fusion Energy – Program Planning**

Nsukka, Nigeria | 14 September - 20 September 2025

Time deltas wrt Nigeria: +1h Europe, -7h Costa Rica, +4h Pakistan, -6 USA as per: <https://www.timebie.com/index.php>

| TimeDay, Date | Monday, 15/09 | Tuesday, 16/09 | Wednesday, 17/09 | Thursday, 18/09 | Friday, 19/09 |
| --- | --- | --- | --- | --- | --- |
| NG: 08:00 – 09:00EU: 09:00 – 10:00CR: 01:00 – 02:00PA: 12:00 – 13:00US: 02:00 – 03:00 | Breakfast | Breakfast | Breakfast | Breakfast | Breakfast |
| NG: 09:00 – 09:45EU: 10:00 – 10:45CR: 02:00 – 02:45PA: 13:00 – 13:45US: 03:00 – 03:45 | Welcome Session**(Kingsley Okpala)** | Diagnosing fusion plasmas**(G.C. Amanekwe)** | Drifts**(Rajbir Kaur)** | ITER, DEMO, Future Devices and Startups\*Jana maybe?? Show plasma lab? Opportunities? Stream? | Presentation Rehearsals:Technical checks |
| NG: 09:45 – 10:30EU: 10:45 – 11:30 CR: 02:45 - 03:30PA: 13:45 - 14:30US: 03:45 - 04:30 | Fusion Energy:An Introduction**(Yashpreet Sembhi)** | Experiment Brainstorm Session(with supervisors in break out room) | Remote Experimentation session | Discussions andPresentation Preparations | Presentations |
| NG: 10:30 – 11:15EU: 11:30 – 12:15 CR: 03:30 - 04:15PA: 14:30 - 15:15US: 04:30 - 05:15 | Fusion process conditions and criteria**(Abuchi Chukwurah)** | Basic Python Programming **(Maria Reji)** | Remote Experimentation session | Discussions andPresentation Preparations | Presentations |
| NG: 11:15 – 11:30EU: 12:15 – 12:30 CR: 04:15 - 04:30PA: 15:15 - 15:30US: 05:15 - 05:30 | Coffee Break | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| NG: 11:30 – 12:15EU: 12:30 – 13:15 CR: 04:30 - 05:15PA: 15:30 - 16:15US: 05:30 - 06:15 | Fusion Machines: Pinches**(Hina Ali)** | GOLEM Remote Operation**(Vojtech Svoboda)** | Remote Experimentation session | Discussions andPresentation Preparations | Presentations |
| NG: 12:15 – 13:00EU: 13:15 – 14:00 CR: 05:15 - 06:00PA: 16:15 - 17:00US: 06:15 - 07:00 | Quiz | GOLEM Tour(Vojtech Svoboda) | Remote Experimentation session | Brainstorming BreakCasual discussions here!! Chill time.  | Careers and Opportunities In Fusion: Panel |
| NG: 13:00 – 13:45EU: 14:00 – 14:45 CR: 06:00 - 06:45PA: 17:00 - 17:45US: 07:00 - 07:45 | Lunch | Lunch | Lunch | Lunch | Lunch |
| NG: 13:45 – 14:30EU: 14:45 – 15:30 CR: 06:45 - 07:30PA: 17:45 - 18:30US: 07:45 - 08:30 | Fusion Machines: Tokamaks**(Abha Thazhathe Peedika)** | Remote Experimentation Session | Discussions orRemote Experimentation session | Presentation Rehearsals: How to make good slides?**(Abha Thazhathe Peedika)** | Careers and Opportunities in Fusion: Panel |
| NG: 14:30 – 15:15EU: 15:30 – 16:15 CR: 07:30 - 08:15PA: 18:30 - 19:15US: 08:30 - 09:15 | Fusion Machines:Stellarators**(Federico Coto-Vilchez)** | Remote Experimentation Session | Discussions orRemote Experimentation session | Discussions andPresentation Preparations | Break |
| NG: 15:15 – 15:45EU: 16:15 – 16:45 CR: 08:15 - 08:45PA: 19:15 - 19:45US: 09:15 - 09:45 | SCR Tour**(Federico Coto-Vilchez)** | Experimentation and Discussions | Discussions orRemote Experimentation session | Discussions andPresentation Preparations | Closing Ceremony /SchoolDinner |
| NG: 15:45 – 16:00EU: 16:45 – 17:00 CR: 08:45 - 09:00PA: 19:45 - 20:00US: 08:45 - 09:00 | Quiz ~ 15 minutes | Experimentation and Discussions | Excursion to Energy Center | University Tour | School Dinner |
| Every Academic Activity Finishes 16:00 Nigerian time. | Dinner | Dinner | Dinner Picnic | Dinner | School Dinner |

* Breaks
* Supervisor Lectures
* Golem access
* Student Presentations
* Not sure, please change

Suggested Experiment topics:

* Transformer concept and ohmic heating.
* Plasma position and current stabilization.
* Plasma Impurity analysis using spectroscopy.
* Plasma analysis using electrostatic probes.