**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>

| Time Day, Date | Monday,  15/09 | Tuesday,  16/09 | Wednesday,  17/09 | Thursday,  18/09 | Friday,  19/09 |
| --- | --- | --- | --- | --- | --- |
| NG: 08:00 – 09:00  EU: 09:00 – 10:00  CR: 01:00 – 02:00  PA: 12:00 – 13:00  US: 02:00 – 03:00 | Breakfast | Breakfast | Breakfast | Breakfast | Breakfast |
| NG: 09:00 – 09:45  EU: 10:00 – 10:45  CR: 02:00 – 02:45  PA: 13:00 – 13:45  US: 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 – 10:30  EU: 10:45 – 11:30  CR: 02:45 - 03:30  PA: 13:45 - 14:30  US: 03:45 - 04:30 | Fusion Energy:  An Introduction  **(Yashpreet Sembhi)** | Experiment Brainstorm Session  (with supervisors in break out room) | Remote Experimentation session | Discussions and  Presentation Preparations | Presentations |
| NG: 10:30 – 11:15  EU: 11:30 – 12:15  CR: 03:30 - 04:15  PA: 14:30 - 15:15  US: 04:30 - 05:15 | Fusion process conditions and criteria  **(Abuchi Chukwurah)** | Basic Python Programming  **(Maria Reji)** | Remote Experimentation session | Discussions and  Presentation Preparations | Presentations |
| NG: 11:15 – 11:30  EU: 12:15 – 12:30  CR: 04:15 - 04:30  PA: 15:15 - 15:30  US: 05:15 - 05:30 | Coffee Break | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| NG: 11:30 – 12:15  EU: 12:30 – 13:15  CR: 04:30 - 05:15  PA: 15:30 - 16:15  US: 05:30 - 06:15 | Fusion Machines: Pinches  **(Hina Ali)** | GOLEM Remote Operation  **(Vojtech Svoboda)** | Remote Experimentation session | Discussions and  Presentation Preparations | Presentations |
| NG: 12:15 – 13:00  EU: 13:15 – 14:00  CR: 05:15 - 06:00  PA: 16:15 - 17:00  US: 06:15 - 07:00 | Quiz | GOLEM Tour  (Vojtech Svoboda) | Remote Experimentation session | Brainstorming Break  Casual discussions here!! Chill time. | Careers and Opportunities In Fusion: Panel |
| NG: 13:00 – 13:45  EU: 14:00 – 14:45  CR: 06:00 - 06:45  PA: 17:00 - 17:45  US: 07:00 - 07:45 | Lunch | Lunch | Lunch | Lunch | Lunch |
| NG: 13:45 – 14:30  EU: 14:45 – 15:30  CR: 06:45 - 07:30  PA: 17:45 - 18:30  US: 07:45 - 08:30 | Fusion Machines: Tokamaks  **(Abha Thazhathe Peedika)** | Remote Experimentation Session | Discussions or  Remote Experimentation session | Presentation Rehearsals: How to make good slides?  **(Abha Thazhathe Peedika)** | Careers and Opportunities in Fusion: Panel |
| NG: 14:30 – 15:15  EU: 15:30 – 16:15  CR: 07:30 - 08:15  PA: 18:30 - 19:15  US: 08:30 - 09:15 | Fusion Machines:  Stellarators  **(Federico Coto-Vilchez)** | Remote Experimentation Session | Discussions or  Remote Experimentation session | Discussions and  Presentation Preparations | Break |
| NG: 15:15 – 15:45 EU: 16:15 – 16:45  CR: 08:15 - 08:45  PA: 19:15 - 19:45  US: 09:15 - 09:45 | SCR Tour  **(Federico Coto-Vilchez)** | Experimentation and Discussions | Discussions or  Remote Experimentation session | Discussions and  Presentation Preparations | Closing Ceremony /School  Dinner |
| NG: 15:45 – 16:00  EU: 16:45 – 17:00  CR: 08:45 - 09:00  PA: 19:45 - 20:00  US: 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.