Scientific Program

Day 1: Wednesday April 1st, 2026

10:30 – 11:15		**Registration & coffee**
		Location: Conference hall A/B
11:15 – 11:20		Oscar Versolato **Opening of the conference**
Session chair:		Jan Trieschmann
11:20 – 12:00	**M1**	Dongshuai Li **Blue Corona Discharges at the Top of Thunderclouds**
12:00 – 12:15	**O1**	Yurui Li **Effects of Hydrometeors on Lightning Optical Emissions**
12:15 – 12:30	**O2**	Thije Tjebbes **Hop, Skip, and Jump: Ultrafast vibrational dynamics enable double electron capture in slow Sn^{3+}-H_2 collisions**
12:30 – 12:45	**O3**	Felix Kohlmeier **Full reconstruction of the energy partitioning in 2-µm-wavelength-laser-driven plasma sources of extreme ultraviolet light**
12:45 – 13:00	**O4**	Mikheil Kharbedia **Plasma-driven deformation of water droplets after laser impact**
13:00 – 14:00		***Lunch break / Location: public space***
14:00 – 15:30		***Poster session A* / Location: Conference hall A/B**
Session chair:		Sander Nijdam
15:30– 16:10	**M2**	Jan Trieschmann **Data-driven and physics-informed machine learning surrogates for low-temperature plasmas**
16:10 – 16:25	**O5**	Stijn Helsloot **Mapping species in the afterglow of oxygen plasma using Rotational Raman**
16:25 – 16:40	**O6**	Jianan Wang **Electric field measurements on filamentary DBDs by E-FISH**
16:40 – 17:00		**Coffee Break/ Location: Conference hall A/B**
17:00 – 17:15	**O7**	Rik Peelen **Charging behaviour of single and clustered microparticles in spatiotemporal afterglow plasmas**
17:15 – 17:30	**O8**	Mark Cornelissen **Multi-spectral coherence imaging spectroscopy to visualize the plasma flows in fusion devices**
17:30 – 17:45	**O9**	Calum Ryan **Igniting a Spark - Towards Improving Plasma Science Communication**
18:30 – 20:00		**Dinner - Paviljoen Restaurant**
20:00 – 00:00		**After dinner drinks - Paviljoen Bar**

Scientific Program

Day 2: Thursday April 2nd, 2026

Session chair:		Ivo Classen
07:00 – 09:00		***Breakfast***
		Location: Conference hall A/B
09:00 – 09:40	**M3**	Peter de Vries **The ITER project, its goals, status, plans and physics**
09:40 – 09:55	**O10**	Lex Kuijpers **Probing Soot in Dry Reforming of Methane Microwave plasmas using Optical Emission Spectroscopy**
09:55 – 10:10	**O11**	Christine Vantomme **Shining Light on Plasma Catalysis: Transparent DBD Reactors for CO_2 Conversion**
10:10 – 10:45		***Coffee break /*** **Location: Conference hall A/B**
10:45 – 11:00	**O12**	Martijn Ruijzendaal **Plasma size as a control parameter for chemical conversion**
11:00 – 11:15	**O13**	Rubén Marnef **Heat recovery for NH3 plasma cracking, a modeling-based approach**
11:15 – 11:30	**O14**	Richard Engeln **Unravelling EUV-Induced Plasma Chemistry**
11:30 – 13:00		***Poster session B*** **/Location: Conference hall A/B**
13:00 – 14:00		***Lunch break + Board meeting***
Session chair:		Annemie Bogaerts
14:00 – 14:40	**M4**	Carmen Guerra Garcia **Beyond zero-dimensional chemical kinetics: Seeking agreement between numerical models and experiments**
14:40 – 14:55	**O15**	Bowie Brewster **A refined model for laser absorption in plasmas involving the Langdon effect**
14:55 – 15:10	**O16**	Lukas Vogelhuber **Electronegativity effects on plasma dynamics in He/O2 RF microplasma jets at atmospheric pressure**
15:10 – 15:25	**O17**	Yuting Gao **Numerical Determination of Partial Discharge Inception Voltage in Gas-Filled Defects**
15:25 – 15:40	**O18**	Duarte Gonçalves **Unsteady flow dynamics in a microwave plasma reactor**
15:40		***Closing: Poster & Oral Prize Ceremony***