

<b>7th International Glow Discharge Spectroscopy Symposium</b>			
<b>19h to 22nd April 2026</b>			
<b>Antwerp, Belgium</b>			
		A Room with a ZOO, Koningin Astridplein 20-26, 2018 Antwerp	
		Entrance at Carnotstraat 4, go to 1st floor	
<b>Programme of Events</b>			
	<b>Key</b>		
	Inv x	Invited Lecture	
	O x	Oral Presentation	
	P x	Poster	
<b>Sunday 19th April 2026</b>			
18:30		Registration, Welcome Drinks, Snacks, GStads-campus - Hof van Liere Prinsstraat 13 2000 Antwerp	
20:00		Registration Closes	
21:00		Closing	
<b>Monday 20th April 2026</b>			
08:30		Arrival, Registration opens	
09:00		Chairman Welcome and Opening Remarks	
		<b>Session Chair:</b>	<b>Pete Robinson</b>
09:10	Inv 1	Martin Kasik	GD – AN EXCITING PLASMA: ENDLESS LEARNING AND ENJOYMENT
10:00	O01	Gideon Bartov	HIGH PURITY TITANIUM ANALYSIS BY FLAT GEOMETRY USING AMETEK NU INSTRUMENTS MODEL ASTRUM ES
10:20	O02	Malina Helling	APPLICATION OF GLOW DISCHARGE MASS SPECTROMETRY IN PRECIOUS METAL ANALYSIS
10:40	O03	Petr Smid	OPTIMISATION OF GD-MS SEMIQUANTITATIVE MODEL BASED ON STANDARD RSFS FOR FAST-FLOW GLOW DISCHARGE SOURCE
11:00		Coffee	
		<b>Session Chair:</b>	<b>Zdenek Weiss</b>
11:30	O04	Gerardo Gamez	SINGLE PARTICLE GLOW DISCHARGE OPTICAL EMISSION SPECTROMETRY ELEMENTAL MAPPING
11:50	O05	Ivan Videnovic	CATHODE SHEATH ELECTRIC FIELD MEASUREMENTS IN ANALYTICAL GLOW DISCHARGES BY OPTICAL EMISSION SPECTROSCOPY
12:10	O06	Arne Bengtson	THE HYDROGEN EFFECT IN GD-OES REVISITED – HOW TO DEAL WITH VARYING DISCHARGE PARAMETERS
12:30		Lunch	
		<b>Session Chair:</b>	<b>Arne Bengtson</b>
13:30	O07	Rajendra Joshi	QUANTIFICATION OF CELLULAR NANOPARTICLE UPTAKE USING GLOW DISCHARGE OPTICAL EMISSION SPECTROMETRY ELEMENTAL MAPPING
13:50	O08	Barbara van Langenhove	ACCESSORIZE TO OPTIMIZE: GETTING THE MOST FROM GD-OES
14:10	O09	Marius Bittermann	FROM TRANSIENT TO EQUILIBRIUM: A TIME-DEPENDENT MULTIVARIATE APPROACH TO GD-OES ELEMENTAL ANALYSIS
14:30	O10	Dominik Fuchs	ANALYSIS OF HYDROGEN-LOADED Ti/TIN COATING SYSTEMS VIA GD-OES AND TOF-SIMS
15:00		Coffee	

		<b>Session Chair:</b>	<b>Cornel Venzago</b>
15:30	O11	Sohail Mustaq	CHARACTERIZATION OF HIGH-PURITY TELLURIUM FOR SEMICONDUCTOR, PHOTOVOLTAIC AND ENERGY STORAGE APPLICATIONS USING ASTRUM SWIFT
15:50	O12	Adam Revall	NEW DEVELOPMENTS IN ASTRUM SWIFT
16:10	O13	Torsten Lindemann	HIGH-THROUGHPUT ANALYSIS OF TITANIUM MATRIX SAMPLES USING FAST FLOW GD-MS
16:30	O14	Ekbal Patel	IS PICK AND PLACE A POSSIBILITY? ADVANCEMENTS IN THE ROADMAP OF THE GD90 TRACE GD-MS
16:50		Close Meeting	
17:00		Manufacturers' User Meetings, On Invitation Only	
19:00		User Meetings Close	
<b>Tuesday 21st April 2026</b>			
09:00		Daily Notices	
		<b>Session Chair:</b>	<b>Jorge Pisonero</b>
09:10	Inv 2	Annemie Bogaerts	GLOW DISCHARGE AND OTHER PLASMAS - A HOT TOPIC FOR MANY APPLICATIONS
10:00	O15	Zdenek Weiss	SOME CASES OF ANOMALOUS AND NON-LINEAR INTENSITY RESPONSES IN GDOES
10:20	O16	Jakub Jendryka	IONIZATION METHODS FOR MINIATURIZED MASS SPECTROMETERS
10:40	O17	Jianzheng Yang	MICROSECOND PULSED GLOW DISCHARGE MASS SPECTROMETRY STRIPPING COMBINED WITH 3D CRATER PROFILOMETRY: A NEW METHOD FOR MEASURING THE THICKNESS OF MICRO- AND NANO-FILMS.
11:00		Coffee	
		<b>Session Chair:</b>	<b>Myriam Madani</b>
11:30	O18	Patrick Chapon	ADVANCED LAYERS CHARACTERIZATION THROUGH THE COMBINATION OF ENHANCED GD-OES AND RAMAN ANALYSIS
11:50	O19	Michael Analytis	AUTOMATED PMT LAYOUT OPTIMIZATION FOR ROWLAND CIRCLE GD-OES SPECTROMETERS
12:10	O20	Ben Johns	HYBRID MAGNETICALLY OR MICROWAVE ENHANCED GD-LILA FOR ADVANCED LAYERS ANALYSIS WITH SURFACE MAPPING
12:30		Lunch	
		<b>Session Chair:</b>	<b>Petr Smid</b>
14:00	O21	Silke Richter	THE DIGITAL REFERENCE MATERIAL DOCUMENT – HOW TO GET STANDARDS INTO INSTRUMENTS
14:20	O22	Piotr Konarski	GDMS MAPPING OF ELEMENTAL DIFFUSION GRADIENTS FORMED ON ELECTRON BEAM WELDED STEEL SURFACES
14:40	O23	Quentin Liebgott	USING GD FOR FAST, CONTROLLED CROSS-SECTION PREPARATION FOR SEM IMAGING
15:00		Coffee	
15:30		Poster Viewing. Authors to Attend Poster until 16:30	
17:00		Close Meeting	
18:00 - 23:00		Symposium Dinner, Antwerp City Brewery nv Mechelsesteenweg 291 2018 Antwerpen	

Wednesday 22nd April 2026			
09:00		Daily Notices	
		<b>Session Chair:</b>	<b>Silke Richter</b>
09:10	Inv 3	Guanghai Niu	PLASMA SPECTROMETRY APPLICATION IN INDUSTRY: METHODOLOGY AND INSTRUMENT DEVELOPMENT
10:00	O24	Joyce Warewyck	GLOW DISCHARGE DEPTH PROFILING AS COMPLIMENTARY TECHNIQUE TO ORP-EIS ANALYSIS.
10:20	O25	Jaroslav Lepczak	HOW DO SURFACE TOPOGRAPHY IRREGULARITIES AFFECT GDMS ELEMENTAL MAPS?
10:40	O26	Carlos Abad	FROM MANUFACTURING TO FAILURE: DEPTH PROFILING FOR LITHIUM-ION BATTERY QUALITY AND AGING DIAGNOSTICS
11:00		Coffee	
11:30		Award of Payling Prize and Closing Remarks	
12:00-13:30		EW-GDS Steering Committee Meeting	
<b>Posters</b>			
P01		Jose Luis Montoya Agullo	NOVEL SOURCES AND INTERFACES FOR GD-TOFMS SPECTROMETRY: PRELIMINARY PROTOTYPES
P02		Jens Van Landeghem	QUANTITATIVE GD-OES AND FEG-EPMA CORRELATION FOR OXIDE LAYER CHARACTERISATION IN HOT-ROLLED STEELS
P03		Gerardo Gamez	COPOLYMER QUANTITATIVE ANALYSIS VIA LASER-ASSISTED MICRO-PYROLYSIS FAPA MASS SPECTROMETRY
P04		Gerardo Gamez	SINGLE PARTICLE MICROPLASTICS ANALYSIS VIA LASER-ASSISTED MICRO-PYROLYSIS FAPA AMBIENT MASS SPECTROMETRY IMAGING
P05		Gerardo Gamez	METAL-ORGANIC FRAMEWORKS DIRECT SOLID ANALYSIS VIA LASER-ASSISTED MICRO-PYROLYSIS SAMPLING AND FAPA AMBIENT MASS SPECTROMETRY
P06		N D Vara Prasad	PROFICIENCY TEST ANALYSIS OF ALLOYS USING GLOW DISCHARGE OPTICAL EMISSION SPECTROSCOPY (GD-OES)
P07		Philippe Guillot	ARGON PLASMA JET AND TOF-MS COUPLING OPTIMIZATION
P08		Dominik Fuchs	NON-LINEAR MULTIVARIATE MODELING FOR RAPID QUANTIFICATION BY GD-OES
P09		Camilo Guerrero Martinez	DIAGNOSIS OF SOLUTION-CATHODE GLOW DISCHARGE PLASMAS
P10		Malina Helling	DESIGN AND VALIDATION OF AN AIRTIGHT SAMPLE CARRIER FOR THE ELEMENT GD
P11		Volker Hoffmann	ANALYSIS OF HYDROGEN AND NEON IN HELIUM BY LOW PRESSURE MIP-OES
P12		Armel Perrotin	GLOW DISCHARGE MASS SPECTROMETRY ANALYSIS OF GAS-ATOMIZED ALUMINIUM-SILICIDES FOR ADDITIVE MANUFACTURING
P13		Benjamin Wasilewski	QUANTITATIVE ANALYSIS OF ORGANIC MATERIAL BY GDMS
P14		Jorge Pisonero	SOLUTION-CATHODE GLOW DISCHARGE OPTICAL EMISSION SPECTROMETRY: FROM FUNDAMENTAL MECHANISMS TO ANALYTICAL METHODOLOGIES
P15		Ivan Videnovic	ESTIMATION OF THE MAXIMUM ELECTRIC FIELD STRENGTH IN THE CATHODE SHEATH OF HELIUM GDS BY INTEGRAL OES
P16		Sohail Mushtaq	MITIGATING COMMON SPECTRAL INTERFERENCES WITH THE ASTRUM SWIFT GD-MS
P17		Adam Revill	HIGH THROUGHPUT SUPERALLOYS ANALYSIS WITH ASTRUM SWIFT
P18		Ben Johns	REIMAGINING GLOW DISCHARGE SPECTROSCOPY: AI-DRIVEN GD-LILA FOR INDUSTRIAL TO BIOMEDICAL INSIGHTS
P19		Ben Johns	GLOWFORWARD: US BASED PERSONAL BEHOLDING OF ADVANCES IN GLOW DISCHARGE SPECTROMETRY, 1990s–2026
P20			