

Accepted contributions to the ISP 2023 (last update: 1st May 2023)

serial No.	accepted as	salutation	surname	name	city	contribution_title
1	Lecture	Dr.	Müller	Martin	Dresden	Water based polyelectrolyte coatings for biomedical applications studied by in-situ ATR-FTIR spectroscopy
2	Lecture	Mr.	Gupta	Abhishek Kumar	Gandhinagar	Molecular Insights into the structural and dynamics of anionic polyelectrolytes in salt solutions - An atomistic simulation study
3	Lecture	Mr.	Barroso da Silva	Fernando Luis	Ribeirao Preto	Computational simulation studies of macromolecular complexes driven by peculiar electrostatic interactions
4	Lecture	Ms.	Lindhoud	Saskia	Enschede	Separation by Polyelectrolyte Complexation
5	Lecture	Prof.	Zhao	Jiang	Beijing	How do polyelectrolytes respond to shear in aqueous solutions?
6	Poster	Ms.	Ayazbayeva	Algerim	Almaty	Synthesis and characterization of polyampholyte nano- and microgels based on acrylamide, 3-acrylamidopropyltrimethylammonium chloride and sodium methacrylate
7	Lecture	Mr.	Bakar	Recep	KOCAELI	Improved ionic conductivity and mechanical strength in nanocomposite electrolytes using non-linear PEO architectures with Silica nano-particles
8	Poster	Prof.	Kudalbergenov	Sarkyt	Almaty	Application of acrylamide-based polyampholytes in oil recovery
9	Lecture	Mr.	Herrmann	Andreas	Aachen	Genetically Engineered Polyelectrolytes: From anti-icing coatings to dynamic out of equilibrium coacervates
10	Lecture	Prof.	Guo	Xuhong	Shanghai	Functional Spherical Polyelectrolyte Brushes: New Preparation Methods, Characterization and Applications
12	Lecture	Mr.	Martin Robins	James L.	Utrecht	Cooperative transitions involving hydrophobic polyelectrolytes
13	Lecture	Ms.	Nijmeijer	Kitty	Eindhoven	Kosmotropes and chaotropes: Specific ion effects to tailor layer-by-layer membrane characteristics and performance
14	Lecture	Mr.	Dahlin	Andreas	Göteborg	Electrochemically switchable polyelectrolyte brushes
15	Lecture	Mr.	Li	Jianwei	Turku	Emergence of Functional Cyclic Oligoelectrolytes from Dynamic Combinatorial Libraries
16	Lecture	Mr.	Hou	Can	Aachen	Polyelectrolyte conformation in polar and non-polar solvents
17	Lecture	Dr.	Nová	Lucie	Prague 2	Ionization in dense weak polyelectrolyte systems
18	Lecture	Mr.	Schacher	Felix	Jena	Polydehydroalanine – a Tale about Charge, Complexation, and Coincidence
19	Lecture	Prof.	Zinchenko	Anatoly	Nagoya	Application of Self-Organized Interpolyelectrolyte Networks as Functional Materials: Reinforcement, Adsorption, and Templating
20	Lecture	Ms.	Li	Lijie	Enschede	Preparation of natural polyelectrolyte complex membranes through sustainable aqueous phase separation
21	Lecture	Prof.	Kishimura	Akihiro	Fukuoka	Designer coacervates as a protein sequestration scaffold based on the strategy of the dynamic frustrated charge hotspots
22	Lecture	Mr.	Plamper	Felix	Freiberg	Electrochemical Deposition of Polyelectrolytes
23	Lecture	Prof.	Ballauff	Matthias	Berlin	Interaction of Proteins with Polyelectrolytes: Hydration Effects
24	Lecture	Prof.	Buhler	Eric	Paris	Role of the Bio-polyelectrolyte Persistence Length to Nanoparticle Size Ratio in the Structural Tuning of Gold and Silica Electrostatic Complexes
25	Lecture	Dr.	Pispas	Stergios	Athens	Hyperbranched polyelectrolyte copolymers and their complexes with DNA
26	Lecture	Mr.	Ayzner	Alexander	SANTA CRUZ	Rational Design of Intrinsically Semiconducting Coacervates
27	Lecture	Ms.	Sabadini	Julia	Campinas	Can PEO-coacervates micelles undergo structural changes as EO-surfactants aggregates?
28	Lecture	Mr.	Drummond	Carlos	PESSAC	Electro-responsive polyelectrolyte-coated surfaces
29	Lecture	Mr.	Wang	Junyou	Shanghai	Design of functional polyelectrolyte vehicles for delivery of therapeutic biomacromolecule drugs
30	Poster	Mr.	Oh	Gwangtaek	Seoul	Gate-Tunable Photodetector and High-Mobility Ambipolar Transistor with Ion-gel Gate Dielectrics
31	Lecture	Ms.	Maddalena	Lorenza	Torino	Graphene related materials/Polyelectrolyte complexes as valuable route for the preparation of multi-functional coatings
32	Lecture	Prof.	Wang	Zhen-Gang	Pasadena	origin of the entropic driving force in polyelectrolyte complex coacervation
33	Lecture	Mr.	Zhang	Pengfei	Songjiang Distric	Supernatant Phase in Polyelectrolyte Complex Coacervation: Cluster Formation, Binodal, and Nucleation
34	Lecture	Mr.	Duan	Mingyu	Beijing	Swelling and shrinking of two opposing polyelectrolyte brushes
35	Lecture	Ms.	Yaltur	Sena	Enschede	Applying polyelectrolyte multilayer membranes in sustainable water treatment processes
36	Lecture	Mr.	Outeiro Corvo	Gif-Sur-Yvette	Confinement effect on poly(ionic liquid) interfacial structure	
37	Lecture	Mr.	Mrohs	Tim	Aachen	Crosslinked, Highly Swelling Dialyldimethylammonium Hydrogels
38	Lecture	Prof.	de Vos	Wiebe	Enschede	Hot-pressed polyelectrolyte complexes as sustainable, stable and ion-selective ion exchange membranes
39	Lecture	Ms.	van Lange	Sophie Gina Mar	Wageningen	Moderated ionic bonding for water-free recyclable polyelectrolyte complex materials
40	Poster	Mr.	Outeiro Corvo	Tiago	Gif-Sur-Yvette	Multiscale structure of polymerized ionic liquids by small angle neutron scattering
41	Lecture	Ms.	Malikova	Natalie	Paris	Polyelectrolyte-based hydrogels: tuning structure and properties by ion specific effects and addition of charged anisotropic nanoparticles
42	Lecture	Mr.	Jouault	Nicolas	Paris	Probing polyelectrolyte adsorption in charged nanochannels by streaming potential measurements
43	Lecture	Ms.	Kayilmazer	Basak	Istanbul	Rheology and Thermodynamics of Hyaluronic Acid – Chitosan Complex Coacervation
44	Poster	Ms.	Allegrì	Giulia	Enschede	Unveiling the Polyelectrolyte Complexes' composition: A characterization study
45	Lecture	Mr.	Niestroj-Pahl	Robert	Enschede	Polyelectrolyte multilayer coating of ceramic membranes and their filtration properties
46	Lecture	Dr.	Xiao	Xu	Nanjing	Binding of proteins to copolymers of varying charge and hydrophobicity: a molecular mechanism and computational strategies
47	Lecture	Mr.	Brito	Mariano Exequie	Stuttgart	Coarse-grained modeling of ionic microgels: influence of stimulus-responsive swelling on suspension properties
48	Lecture	Prof.	Perry	Sarah	Amherst	Decoupling the effects of charge density and hydrophobicity on the phase behavior and viscoelasticity of complex coacervates
49	Lecture	Mr.	Kamizawa	Hiroshi	Fukuoka	Development of multiple hierarchical structures via polymer condensate formation
50	Lecture	Ms.	Letteri	Le	Charlottesville	Poly(beta-amino ester)s and their complexes: tailoring molecular structure to understand and tune solution properties and lifetime
51	Lecture	Mr.	Lopez	Carlos	Aachen	Poly(ionic liquids) in solution: transition between polyelectrolyte to neutral polymer behaviour
52	Lecture	Mr.	Yang	Shuguang	Songjiang, Shan	Polyelectrolyte Complex Fibers
53	Lecture	Mr.	Li	Bin	Zhuhai	Self-Assembly of star-polyelectrolytes in various solvent conditions
54	Lecture	Prof.	Zhang	Yuejun	Nanjing	Thermal decomposition processes and mechanism of P(DAC-AM) with serial cationicity and molecular weight
55	Lecture	Ms.	Tea	Lingsam	Paris	Viscosity and morphology of water-in-water emulsions stabilized by polyelectrolyte under shear
56	Poster	Ms.	Starfo	Roman	Vienna	Annealed polyelectrolyte ribbons: pH-controlled regulation of topology
57	Lecture	Ms.	Starfo	Roman	Vienna	Coarse-grained model of interpolyelectrolyte complex for sequestration of small ions, weak acids and bases
58	Lecture	Mr.	Beyer	David	Stuttgart	Particle-Based Simulations of Weak Polyelectrolyte Hydrogels
59	Lecture	Dr.	Scheler	Ulrich	Dresden	Interaction of small molecules to polyelectrolytes
60	Lecture	Mr.	Singh	Raju Kumar	Mumbai	Self-assembly of Polyethyleneimine in the presence of monovalent counter-ions: a molecular dynamics investigation
61	Lecture	Mr.	Vahdati	Mehdi	Strasbourg	polysaccharide complex coacervates as multifunctional underwater adhesives
62	Lecture	Prof.	Jia	Xu	Nanjing	Preparation and bactericidal properties of methyl substituent diallylammonium chloride polymer
63	Lecture	Ms.	Chen	Guang	Beijing	A new scaling theory for semidilute polyelectrolyte solutions
64	Lecture	Dr.	Blanco	Pablo M.	Trondheim	Anionically functionalized glycogen encapsulates melittin by multivalent interaction
65	Lecture	Dr.	te Brinke	Esra	Enschede	Polyelectrolyte multilayer membranes: an experimental review
66	Lecture	Prof.	Holm	Christian	Stuttgart	Theory and simulations can explain the apparent giant pKa-shifts in weak polyelectrolyte brushes
67	Lecture	Mr.	Pineda	Sebastian	Prague	acid/base ionization of oligosines in presence of oppositely charged polyelectrolytes
68	Lecture	Mr.	Lunkad	Raju	Prague	Both Charge-Regulation and Charge-Patch Distribution Can Drive Adsorption on the Wrong Side of the Isoelectric Point
69	Lecture	Dr.	Alexiou	Terpsichori	Vienna	Effective interactions between double-stranded DNA molecules in aqueous electrolyte solutions: effects of molecular architecture and counterion valence
70	Lecture	Ms.	Hong	Yuri	Pohang	Hydrophobicity-driven reentrant behaviors of arginine-rich coacervates and quantitative analysis via label-free 3D phase imaging
71	Lecture	Mr.	Gallegos	Alejandro	Pasadena	Ionization and conformation consistency in weak polyelectrolyte coacervation
72	Lecture	Mr.	Agrawal	Aman	Houston	Manipulation of coacervate droplets with an electric field
73	Lecture	Prof.	Karim	Alamgir	Houston	Multiphase complex coacervate droplets from varying charge densities of polyelectrolytes
74	Lecture	Mr.	Schatz	Christophe	Pessac	Structure, thermodynamic and kinetic signatures of a synthetic polyelectrolyte coacervating system
75	Lecture	Mr.	Martin	Patrick	Haifa	Weak PE – charged nanorod network formation and ordering under an external electric field
76	Lecture	Ms.	Dannert	Corinna	Trondheim	impact of charge on PAMAM-peptide mediated DNA condensation
77	Lecture	Prof.	Tenhu	Heikki	Helsinki	Responsive polycations with hydrophobic counterions
78	Poster	Ms.	Mamasoglu	Sezin	Istanbul	The Effect of Hofmeister Ions on Thermodynamics of Complex Coacervation Between Hyaluronic Acid and Chitosan
79	Poster	Ms.	Baydar	Esra	Istanbul	Trypsin Encapsulation Within Pectin-PDADMAC Complexes
80	Lecture	Mr.	Buksa	Hubert	Sheffield	Effect of added salt on synthesis of cationic nanoparticles via polymerisation-induced self-assembly in aqueous media
81	Lecture	Mr.	McBride	Rory	Sheffield	synthesis of high molecular weight water-soluble polymers as low-viscosity latex particles by RAFT aqueous dispersion polymerization in highly salty water
82	Lecture	Dr.	Heyda	Jan	Prague	From polar monomers and polymers to polyelectrolytes: binding of weakly hydrated ions
83	Lecture	Ms.	Dias	Rita	Trondheim	Charge regulation on polyelectrolyte-nanoparticle interactions
84	Lecture	Prof.	Loh	Watson	Campinas	Miscibility of coacervates: behavior in bulk versus in complex coacervate core micelles
85	Poster	Mr.	Klačić	Tin	Zagreb	Specific ion effects: Modification of silica surface by poly(allylamine hydrochloride)
86	Lecture	Ms.	Zhu	Yingxi Elaine	Detroit	Tunable Organic-Inorganic Macroion Complex Coacervates for Efficient Water Treatment
87	Poster	Ms.	Sabino	Manuela	Campinas/ Sao F	Impact of nanocelluloses on nano- and macroscopic properties of surfactant lamellar phases
88	Lecture	Prof.	Pich	Andrij	Aachen	Polyampholyte Microgels
89	Poster	Ms.	Mollenkopf	Anne Sophie	Karlsruhe	Fourier Transform Rheology and the mechanical nonlinear Parameter 3Q0(?) for hydrogels
90	Lecture	Dr.	Cernochova	Zulfiya	Prague	Supramolecular melittin encapsulation by tuned charge compensation with polymer carriers
91	Poster	Ms.	Palloks	Sarah Luca	Karlsruhe	Investigation of the T2 Relaxation of Hydrogels under Step Shear: Do we See an Influence of the Stretching of the Chains?
92	Lecture	Prof.	Patrickios	Costas	Agianjia, Nicosia	ionic amphiphilic polymer conetworks: simulations, thermodynamic modeling and experiment
93	Poster	Ms.	Zhang	Huan	Karlsruhe	power generation through polyelectrolyte hydrogels in osmotic engines via salinity gradients
94	Lecture	Ms.	Byś	Katarzyna	Prague	Charge regulation of heparin-mimicking polyampholytes
95	Poster	Prof.	Kishimura	Akihiro	Fukuoka	Development of yolk-shell structure based on polyion complex formation as a platform for utilizing protein condensates
96	Poster	Prof.	Kishimura	Akihiro	Fukuoka	Fabrication of hexagon nanosheets based on alpha-helix formation of poly-L-lysine induced by polyion complex formation using small molecular weight
97	Poster	Mr.	Pascuzzi	Giuseppe	Milan	Gel polymer electrolytes from lignin for potassium ion batteries
98	Poster	Dr.	Radhakrishnan	Keerthi	Stuttgart	Adsorption of pH responsive ampholytic ions into a weak PE brush: A simulation study
99	Poster	Ms.	Montes Rubio	Patricia	Prague	Interpolyelectrolyte complexes based on interacting poly(methacrylic acid) and oligosines.
100	Poster	Prof.	Ballauff	Matthias	Berlin	Analysis of the binding of cytokines to highly charged polymer networks
101	Poster	Mr.	Kagelmacher	Marten	Berlin	Sulfated hyperbranched and linear polyglycerols interact with HMGB1 and might reduce brain inflammation
102	Poster	Ms.	Yazdanshenas	Bahar	Garching bei Mü	Tunable morphologies in charged multiblock terpolymers in thin film geometry: effect of solvent vapor annealing

103	Poster	Mr.	Kurahatti	Somesh	Stuttgart	Simulation of PE hydrogels with complex topologies
104	Poster	Dr.	Garcés	Josep Lluis	Lleida	Coupling of ionization and conformational degrees of freedom in polyprotic molecules and polyelectrolytes
105	Lecture	Dr.	Tribet	Christophe	paris	Fluidification of a concentrated solution of IgG antibody via coacervation by short poly(glutamic acid) derivatives.
106	Poster	Dr.	Tribet	Christophe	paris	Implementing interfacial complexation between poly(Lysine) comb-like copolymers and anionic surfactants for mild encapsulation into temperature-res
107	Poster	Ms.	Malicka	Weronika	Berlin	Dissecting electrostatic effects in protein denaturation
108	Poster	Ms.	Brito	Mariano Exequie	Stuttgart	Implicit-solvent coarse-grained simulations of linear-dendritic block copolymer micelles
109	Poster	Prof.	Tripathy	Mukta	Mumbai	The effect of topology and architecture on the entropic self-assembly of polymer-grafted nanoparticles
110	Poster	Dr.	Vokhidova	Noira	Tashkent	BINARY INTERPOLYELECTROLYTE COMPLEXES AS AN EFFECTIVE SOIL STRUCTURE FORMER
111	Lecture	Dr.	Sharma	Kamendra P	Mumbai	Self-assembly of similarly charged polyelectrolyte chains in dilute aqueous solution
112	Lecture	Prof.	Glynos	Emmanouil	Heraklion	All-Polymer Nanostructured Single-ion Electrolytes for Solid-State Batteries
113	Poster	Mr.	Kruk	Tomasz	Krakow	Characterization and functionalization of polyelectrolyte coatings as a new platform for biomedical application – control of specific/non-specific protein
114	Lecture	Mr.	Wunder	Clemens	Ulm	3D networking single-ion polymer electrolytes for sodium-based batteries
115	Poster	Ms.	Permyakova	Nataliya	Kyiv	Stimuli-responsive properties of special micellar nanocarriers based on poly(ethylene oxide)/poly(acrylic acid) micelles
116	Lecture	Dr.	Tran	Helen	Toronto	Sequence-Controlled Peptoid Polymers
117	Poster	Mr.	Szczepanowicz	Krzysztof	Krakow	Layer-by-layer as a method of functionalization of drug delivery systems
118	Poster	Mr.	Vansse	Grégoire	Ulm	Ether-free Single-Ion Conducting Polymer Electrolyte for High-Energy Density Batteries
119	Poster	Mr.	Otoni	Caio	Sao Carlos	Nanocellulose as a biopolyelectrolyte: How cellulose nanofibrils and nanocrystals benefit from wearing electric charge