

Poster Titles and presenters
All posters are presented on both Friday and Saturday

No.	Title/Authors (presenting author listed as first author below the title)	Presenter's Affiliation
1	Quinoxaline-Based Semiconducting Polymers Akila Iyer Josiah Bjorgaard Trent Anderson and Muhammet E. Kose	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
2	Charged Colloid-Polymer Mixtures: From Interactions to Phase Stability Alan R. Denton	Department of Physics North Dakota State University, Fargo, ND
3	Fine Chemicals from Renewable Resources Alisa Fairweather Selvakumar Seramdurai Mukund Sibi	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
4	Application of sustainable technologies to improve the quality and performance asphalt binder Amir Ghavibazoo Magdy Abdelrahman	Civil Engineering North Dakota State University, Fargo, ND
5	Aptamer based Colorimetric assay for CEA Anant S Gurung Hui Xu Meenu Baloda Yuqing He Guodong Liu	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
6	Codoped Quantum Dots as Qubits Andrew Schmitz Dmitri Kilin Jiangchao Chen Ivan Mikhaylov	Department of Chemistry University of South Dakota, Vermillion SD
7	Soy-Based Surface Active Copolymers as Safer Replacement for Low Molecular Weight Surfactants Samim Alam , Harjyoti Kalita, Olena Kudina, Andriy Popadyuk , Bret J. Chisholm, Andriy Voronov	Department of Coatings and Polymeric Materials North Dakota State University, Fargo, ND
8	Materials Characterization Angel Ugrinov	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
9	The Interplay Between Reaction Medium and Substrate Spin State during Light Induced Enantiospecific phototransformations Anoklase J.-L. Ayitou and J. Sivaguru	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
10	Study of Catalytically Active Sites on CuOx/Silica Model Catalysts Nanofabricated by EBL A.Chakradhar M. Komarneni J. Shan S. Cabrini M. Lu U. Burghaus	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
11	Applications of Dithieno[3,2-b, 2',3'-d]pyrroles and related analogues to conjugated materials Casey B. McCausland Sean J. Evenson and Seth C. Rasmussen	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
12	Polymers for selective Single Walled Carbon Nanotube Separation David Hogle	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
13	Enantioselective [2+2]-Photocycloaddition of atropchiral 3 4-Dihydro-2-pyridones Elango Kumarasamy and J. Sivaguru	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
14	Ab Initio Modeling of Rare-Earth Doped Crystals For Energy Ge Yao Mary T. Berry P. Stanley May Dmitri S. Kilin	Department of Chemistry University of South Dakota, Vermillion SD
15	Dual-Labels Based High Sensitive Dry-Reagent Strip Biosensors for Protein Assay Hui Xu	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND

Friday Posters: Even number (4.45-5.30 pm) and Odd numbers (5.30-6.15 pm)
Saturday Posters: Odd number (4.15-5.00 pm) and Even numbers (5.00-5.45 pm)

Poster Titles and presenters

All posters are presented on both Friday and Saturday

16	Poly(ethylene glycol) Containing Pseudo-poly(amino acids) as a Novel Type of Biodegradable Polymers	Department of Coatings and Polymeric Materials North Dakota State University, Fargo, ND
	I. Tarnavchyk S. Voronov N. Puzko S. Varvarenko A. Voronov	
17	First-Principles Study of Optoelectronic Properties for the p-n Doped Silicon Quantum Dot: Charge Transport	Department of Chemistry University of South Dakota, Vermillion SD
	Jiangchao Chen Qingguo Meng Talgat Inerbaev Andrew Schmitz Dmitri S. Kilin	
18	Improved electrical model of the dye sensitized solar cells	Mechanical Engineering North Dakota State University, Fargo, ND
	Jiawei Gong and Sumathy Krishnan	
19	Ru catalyzed annulation reaction	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Jing Zhang and Pinjing zhao	
20	Measuring Exciton Diffusion in Conjugated Polymer Nanoparticles with Amplified Emission Quenching	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Josiah A. Bjorgaard and Muhammet E. Kose	
21	Colloid-nanoparticle mixtures as templates for photonic band gap materials	Department of Physics North Dakota State University, Fargo, ND
	Jun Kyung Chung , Brandon Johnson, Alan Denton	
22	Extended Nickel Thiophenedithiolenes: Molecular Materials and Potential Polymer Precursor	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Kristine L. Konkol Chad M. Amb Seth C. Rasmussen	
23	Synthesis Characterization and Hydrodesulfurization Activity of WS ₂ Nanotube Supported Co & Ni cat	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	M. Komarneni Z. Yu A. Chakradhar U. Burghaus Y. Tsverin R.P. Biro A. Zak Y. Feldman R. Tenne	
24	Optoelectronic Properties of Quantum Dots Functionalized by Ru(II) Complexes	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Mary Hedrick Michael Mayo Svetlana Kilina	
25	visual detection of single-nucleotide polymorphism with hairpin oligonucleotide-functionalized gold	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Meenu Baloda Yuqing He Kang Zeng Anant S. Gurung Hui Xu Xibao Zhang and Guodong Liu	
26	Computational Studies of Nucleotide Selectivity in DNA-Carbon Nanotube and Graphene Hybrids	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Michael L. Mayo Zheng Qian Chen and Svetlana V. Kilina	
27	Performance analysis of direct-expansion solar-assisted heat pump system using CO ₂ as refrigerant	Mechanical Engineering North Dakota State University, Fargo, ND
	M. Raisul Islam and K. Sumathy	
28	Light induced stereospecific intramolecular hydrogen abstraction of axially chiral enones.	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Nandini Vallavoju and J Sivaguru	

Friday Posters: Even number (4.45-5.30 pm) and Odd numbers (5.30-6.15 pm)

Saturday Posters: Odd number (4.15-5.00 pm) and Even numbers (5.00-5.45 pm)

Poster Titles and presenters

All posters are presented on both Friday and Saturday

29	Photophysical properties of Platinum and Iridium complexes - A theoretical Approach	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Naveen Dandu and Svetlana Kilina	
30	Polymer-Decorated Magnetic Silica Carriers of Enzymes for Sustainable Hydrolysis of Biomass	Department of Coatings and Polymeric Materials North Dakota State University, Fargo, ND
	Olena Kudina Ashani Samaratunga Bishnu Karki Leonid Ionov Sergiy Minko Scott Pryor and Andriy Voronov	
31	Ab initio molecular dynamics study of sequential dissociation of H ₂ molecules from a Pt ₁₃ H ₂₄ cluster	Department of Chemistry University of South Dakota, Vermillion SD
	Qingguo Meng and Dimitri Kilin	
32	Flow Accelerated Degradation of Corrosion Protective Organic Coatings	Mechanical Engineering North Dakota State University, Fargo, ND
	Qixin Zhou and Yechun Wang	
33	Synthesis and Characterization of New Thieno[3,4-b]Pyrazine-Based Terthienyls	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Ryan L. Schwiderski and Seth C. Rasmussen	
34	Catalyzed Crosslinking of Highly Functional Biobased Epoxy Resins	Department of Coatings and Polymeric Materials North Dakota State University, Fargo, ND
	Thomas J. Nelson and Dean C. Webster	
35	Nanomechanical Characterization of Rod-Like Superlattice Assembled from Tobacco Mosaic Virus	Mechanical Engineering North Dakota State University, Fargo, ND
	Haoran Wang	
36	TiO ₂ (001) Anatase Surfaces Functionalized by Transition Metal Doping	Department of Chemistry University of South Dakota, Vermillion SD
	Yuchi Zhang	
37	Tuning Photophysics and Nonlinear Absorption of Bipyridyl Platinum(II) Bisstilbenylacetylde Complexes by Auxiliary Substituents	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Zhongjing Li , Ekaterina Badaeva, Dapeng Zhou, Josiah Bjorgaard, Ksenija D. Glusac, Svetlana Killina and Wenfang Sun	
38	Perfluoroalkylation as a Method to Increase Intermolecular Interactions in Model Organic Semiconductors	Department of Chemistry University of South Dakota, Vermillion SD
	Jeffery D. Mottishaw and Haoran Sun	
39	The Influence of Different Metal Ion on Electronic Structures of QDs (Cd ₃₃ Se ₃₃) + Ligands	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Peng Cui and Kilina Svetlana	
40	Catalytic Oxidation of Carbon-Carbon Double Bond	Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Krystal Kalliokoski , Nicolas Zimmerman and Mukund P. Sibi	
41	Core Facilities at NDSU: Research and Capabilities of QDs (Cd ₃₃ Se ₃₃) + Ligands	Center for Protease Research Department of Chemistry and Biochemistry North Dakota State University, Fargo, ND
	Tao Wang and Ganesh Bala	

Friday Posters: Even number (4.45-5.30 pm) and Odd numbers (5.30-6.15 pm)
Saturday Posters: Odd number (4.15-5.00 pm) and Even numbers (5.00-5.45 pm)