

Mohawk Watershed Symposium - 2020
20 March 2020, College Park, Union College, Schenectady NY

Oral session (College Park) - Registration and badges required. No photography

7:55 AM	8:20 AM	Registration, Coffee - College Park
8:20 AM	8:25 AM	Introductory Remarks Carolyn Rodak, MWS Co-chair, SUNY Polytechnic Institute
8:25 AM	8:40 AM	Is there a Corps of Engineer/State Flood Control role in the Mohawk Basin? Russell Wege, NYSDEC Flood Control Unit (retired)
8:40 AM	9:05 AM	Numerical Modeling of Breakup Ice Dynamics in the Lower Mohawk River Fengbin Huang and Hung Tao Shen, Clarkson University, J Garver, Union College
9:05 AM	9:30 AM	Incorporating Ice Jam Flooding into Regulatory Base Flood Elevations at the Historic Schenectady Stockade James Woidt, Streamworks PLLC, Scarborough, ME, J. Rocks, USACE, CRREL, Hanover NH
9:30 AM	9:55 AM	Stockade Resilience: Adaptive Preservation Kristin Diotte, City of Schenectady
9:55 AM	10:40 AM	COFFEE and POSTERS (see next page for listing of posters)
10:40 AM	11:05 AM	Reimagining the Erie Canal / Mohawk River as Flood Risk Mitigation Resource Ken Avery and Bo Juza, Bergmann Associates, Rochester, NY
11:05 AM	11:20 AM	The Halloween flood of 2019 in the Mohawk River watershed Chris Gazorian, USGS, Troy, NY
11:20 AM	11:35 AM	A flood insurance analysis of Schenectady's Stockade district Bill Nechaman, Nechaman Consulting, Schenectady NY
11:35 AM	12:00 PM	The newly introduced Flood Buyout Bill (S.6893) Marianne Buttenschon, NY Assembly, 119th District
12:00 PM	1:30 PM	LUNCH and POSTERS - Lunch at College Park
1:30 PM	1:45 PM	Eastward expansion of invasive Round Goby towards the Hudson River Scott George, B Baldigo, USGS, Troy, NY and CB Rees, ML Barton, USFWS Lamar PA
1:45 PM	2:00 PM	eDNA methods help reveal barriers to American Eel (<i>Anguilla rostrata</i>) migration into the Mohawk River, New York Hyatt Green, M Wilder, H Miraly, C Nack, K Limburg, Dept of Env and Forest Biology, SUNY-ESF, Syracuse NY
2:00 PM	2:25 PM	Increasing fecal indicator bacteria (FIB) counts in the Mohawk River and elsewhere in the Hudson watershed since 2015 Jennifer Epstein and colleagues, Riverkeeper, Ossining, NY (and partners)
2:25 PM	3:10 PM	COFFEE and POSTERS (see next page for listing of posters)
3:10 PM	3:25 PM	Mohawk River watershed modeling in SWAT Michaela Schnore, A Conine, Mohawk River Basin Program, NYSDEC
3:25 PM	3:50 PM	Potential opportunities for tributary reconnections within the Erie Canal and Mohawk River Andrew Peck, K France, R Shirer, The Nature Conservancy, Highland, NY
3:50 PM	4:15 PM	Navigating the Naturalization of the Mohawk River: Science, Policy, and Politics Stuart Gruskin, The Nature Conservancy, New York, New York
4:15 PM	4:25 PM	Break and Introduction of Keynote Speaker John Garver, MWS Co-chair, Geology Dept., Union College
4:25 PM	4:55 PM	Keynote: ReImagining the Canal in the Mohawk Watershed Joe Martens, Co-Chair of the ReImagine the Canal Task Force.
4:55 PM	5:00 PM	Concluding Remarks John Garver, MWS Co-chair, Geology Dept., Union College
*The lead or presenting author(s) is(are) listed here; for complete author listings and affiliations please refer to the abstract.		
5:00 PM	7:00 PM	Symposium Reception in College Park Hall Lobby, 5:00 - 7:00 PM

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Poster session (all day)

- P1** **"Notes from a Watershed" - The Mohawk River**
John Garver (MWS Co-chair), Geology Department, Union College
- P2** **Relating microbial diversity to nitrogen cycling in the Mohawk River and diverse freshwater ecosystems**
Julian Damashek, A Dautovic, C Garrett, Department of Biology, Utica College
- P3** **Streamflow capture along the Mohawk River: determining transit time to municipal well-field**
Jaclyn Gehring, M Stahl, D Gillikin, A Verheyden-Gillikin, Geology Department, Union College
- P4** **Plastic Pollution: Nurdles and the Coleco Connection Utilizing Digital Storytelling by Youth to Educate the Public about Emergent Environmental Concerns in their Community**
K.N Hemsley, F. Staley, C. Cherizard, A. Francisco, L.G. English, D. Carlson, P. Munson, J. McKeeyby, S. Hadam, E. McHale, Schoharie River Center, Burtonsville NY
- P5** **Microplastic pollution in Mohawk River tributaries: likely sources and potential implications for the Mohawk Watershed**
Jacqueline Smith (MWS Co-chair) E. Caruso, N Wright, Geology Department, Union College
- P6** **Elevated levels of fecal-indicator bacteria in the Hans Groot Kill, Schenectady, NY, suggest infrastructure failures**
Eva Willard-Bauer, JA Smith, JI Garver, Geology Department, Union College
- P7** **A five-year series of snap-shots: Data and observations of Enterococci and Escherichia coli levels from a Mohawk River water quality project as it enters Year Six of a longitudinal study**
Neil Law, B.L Brabetz, K Boulet, AJ Giacinto, SUNY Cobleskil, Cobleskill; C Rodak, SUNY Poly, Utica; J Epstein, J Lipscomb, D Shapley, Riverkeeper, Ossing NY
- P8** **Exploring baseline water quality conditions in the Mohawk river: Observations of fecal indicator bacteria during the Fall of 2018 and Summer of 2019**
Carolyn Rodak (MWS Co-chair), Dept of Engineering, SUNY Polytechnic Institute, and E Haddad, Dept Chem Engr, Univ. Buffalo, Buffalo NY
- P9** **Detection, Quantification and Identification of Enteric Bacteria in the Upper Hudson River - A Pilot Study**
Jade Cohen, N Geier, K. Songao, O Spencer, A LoBlue, W Quidort, Department of Biology, Chemistry and Physics, Hudson Valley Community College
- P10** **Pervious concrete offers a prospective solution to contaminated runoff threatening water quality**
Ashraf Ghaly, Engineering Department, Union College
- P11** **The swinging environmental pendulum: how policies and attitudes shift with changes in US administration**
Ashraf Ghaly, Engineering Department, Union College
- P12** **Climate Related Discoveries, 62 Years of Daily CO2 Measurements and the Keeling Curve**
Frank Wicks, Engineering Department, Union College (Emeritus)
- P13** **Algal community dynamics in the lower Mohawk River**
Andrea Conine, and M. Schnore, Mohawk River Basin Program, NYSDEC, Albany NY

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