

## Boards Application Form

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### Profile

If interested in one of these boards please fill out this application and submit.

### Which Boards would you like to apply for?

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Brevard County Education Facilities Authority: Submitted

Dr. John W Nicklow  
Prefix First Name Middle Initial Last Name

jnicklow@fit.edu  
Email Address

305 E. Melbourne Ave. Suite or Apt  
Home Address

Melbourne FL 32901  
City State Postal Code

Home: (618) 203-2368 Mobile: (618) 203-2368  
Primary Phone Alternate Phone

### How long have you been a resident of Brevard County?

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1 yr, 4 mos

### To which Commissioner are you applying?

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N/A

### Do you consent to a standard criminal background check?

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Yes  No

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### Interests & Experiences

Please tell us about yourself and why you want to serve.

**Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.**

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Board of Trustees member, Florida Institute of Technology

**Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.**

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President of Florida Institute of Technology

**Please explain your interests and experiences.**

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Higher education.

**Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.**

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President of FIT since July 2023, and President of the University of New Orleans prior to that. Professor of Civil Engineering for more than 25 years. Serving on Board of United Way of Brevard, Junior Achievement, and Space Coast Economic Development Commission. Current member of the Military Officers Association of America and the Civilian Military Community Relations Council. Licensed Civil Engineer. My current position of President and Board of Trustees member at FIT uniquely qualifies me to serve on the Brevard Education Facilities Authority.

**Brevard County Board of County Commissioners strives to promote diversity and provide reasonable accommodations for individuals with disabilities. If you are requesting an accommodation, please indicate below.**

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N/A

[Nicklow\\_CV\\_-\\_2024.docx](#)

Upload a Resume

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## **Agreement**

Advisory committees are subject to the Florida open meetings (Sunshine) and public records laws; your response with a completed application with your contact information is a public record; if chosen as a member of the committee, any communications to you from the County or from you to the County in regard to the committee will be a public record.

**Please Agree with the Following Statement**

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**I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.**

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I Agree

Dr. John W Nicklow



# CURRICULUM VITAE

**John W. Nicklow**

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## CURRENT PROFESSIONAL AFFILIATION AND CONTACT INFORMATION

President, Florida Institute of Technology

Office: 150 W. University Blvd., Melbourne, FL 32901

Home: 305 E. Melbourne Ave., Melbourne, FL 32901

## EDUCATION

Ph.D. in Civil Engineering, Arizona State University, Tempe, AZ, May 1998

Rod J. McMullin Salt River Project Water Resources Scholar, 1997-1998

Universities Council on Water Resources Outstanding Dissertation Award, Hon. Mention, 1998

Dissertation: *Op. of Multiple Reservoir Systems to Control Sedimentation in Alluvial River Networks*

M.S. in Civil Engineering, Bucknell University, Lewisburg, PA, May 1993

Thesis: *Gamma Distribution Fitting of Dimensionless Unit Hydrographs for Pennsylvania*

B.S. in Civil Engineering, Bucknell University, Lewisburg, PA, May 1993

## EMPLOYMENT AND EXPERIENCE HIGHLIGHTS

### *Academic Administration*

*President, July 2023 – Present*

Florida Institute of Technology, Melbourne, FL

- CEO of Florida's STEM University – a private, non-profit campus enrolling nearly 10,000 students
- Developed Forward Together, Boundless Potential – Florida Tech's new strategic plan

*President, April 2016 – June 2023*

University of New Orleans, New Orleans, LA

- CEO of the only public, urban-serving, research university in Louisiana, with oversight over all academic and support programs; management of University's finances and personnel; supervision of fundraising efforts, intercollegiate athletics, auxiliary enterprises, and alumni activities; assurance that diversity, equity and inclusion is prioritized in all operations and activities; representation in all public affairs; and accountable to the University of Louisiana System Board for progress towards Institutional goals;
- Implemented a distinctive strategic vision for the University that prioritizes enrollment growth and diversification, partnership expansion with community and businesses, and growth of research;
- Led three consecutive years of enrollment growth for the first time in 15 years, including the largest first-year classes since Hurricane Katrina and significant increases in Black and Hispanic enrollments;
- Grew external grant and contract expenditures by 90% over a four-year period, excluding pandemic aid;
- Led campaigns around diversity, equity, inclusion, and belonging, campus wellness, new strategic and master plans, and new public-private partnerships to generate new revenues from available real estate;
- Grew the University's endowment by nearly 65% and reached nearly 80% of \$50M comprehensive campaign goal in less than three years, the first comprehensive campaign in the campus' 64-year history;
- Worked with industry partners to launch new high-demand academic programs that serve business and the city, including a B.S. in Urban Construction Management, a B.S. in Aviation and Piloting, and a Ph.D. in Justice, with social, environmental, educational, and criminal concentrations, and;

- Prioritized health and safety in successfully leading campus through dual crises of the pandemic and multiple hurricanes.

*Provost and Vice President for Academic Affairs, July 2015 – March 2016*

University of New Orleans, New Orleans, LA

- Administration of Academic Affairs, Office of Research, Information Technology, Enrollment Services, Service Learning, International Education, Distance Learning, and SACSCOC regional accreditation;
- Implemented a campus-wide, strategic enrollment initiative, including a campus-wide recruitment and retention committee consisting of faculty and staff, algorithmic financial aid leveraging strategies, centralized academic advisement with predictive analytics, and redesign of online education;
- Created a Center for Teaching Innovation to support faculty in pedagogical and technological advances, and implemented a Provost Fellow program for faculty to gain training in academic administration, and;
- Created the Center for Undergraduate Research and supported a new competitive grant program for faculty to support undergraduate research (Privateer Undergraduate Research and Scholarly Undergraduate Experience).

*Provost and Vice Chancellor for Academic Affairs, May 2011 – June 2015*

Southern Illinois University, Carbondale, IL

- Administration of Academic Affairs, Information Technology, Enrollment Management, Student Affairs, including Undergraduate Research and Creative Activity, Center for Inclusive Excellence, Center for Service Learning, and Center for International Education;
- Increased overall student enrollment following more than 10 years of consecutive declines; fall 2013 and 2014 saw the largest freshmen classes in 20 years, with higher average academic profiles, the largest international student population in 30 years, and strong increases in transfers and student persistence, and tripled the size of the University Honors Program, from 220 in 2011 to over 800 students in 2014;
- Grew accredited online programs from 6 to 21 in two years and increased online enrollments by 116%, to 4,717 students, from 2011 to 2014, with additional growth in new January-term and summer sessions;
- Established cross-disciplinary, academic programs in Fermentation Science, Supply Chain Management and Logistics, and Advanced Energy and Fuels, as well as new programs in Geology, Africana Studies, Art History and Visual Culture, and STEM Education, and;
- Led development and implementation of a new 10-year strategic plan for the campus.

*Assistant Provost for Enrollment Management (Chief Enrollment Officer), June 2010 – May 2011*

Southern Illinois University, Carbondale, IL

- Administration of Enrollment Management, consisting of Undergraduate Admissions, New Student Programs, Financial Aid, Transfer Student Services, Registrar, Bursar, and International Programs;
- Oversaw a major restructuring of the Offices of Undergraduate Admissions and Financial Aid, and led development of new recruitment strategies based on territorial recruitment and algorithmic aid packaging;
- Initiated a sophomore, junior and senior search and fulfillment campaign that more than tripled the number of prospective students in the enrollment funnel, and;
- Was instrumental in the coordination of several major campus initiatives, including a new University College, a rebranding and marketing effort, expansion of online learning and off-campus programs, and a strengthening of partnerships with high schools and community colleges.

*Associate Dean, July 2006 – June 2010*

College of Engineering, Southern Illinois University, Carbondale, IL

- Responsible for academic affairs of 1,300 undergraduate and graduate students, including recruitment and retention efforts, student support services, minority-student engineering, and academic advisement, and served as Director of the Engineering Ph.D. program.
- Established new programs aimed at improving student retention, including an Engineering Residential College, a multi-tiered peer mentoring program, and a new first-year experience course for engineering majors.
- Played a guiding role in College accreditation efforts and in 2006 and 2008 visits by ABET reviewers.

- Established new marketing and recruitment initiatives for the College, including a summer day camp for girls in grades 5-8, a high-school robotics competition called Engineering Design Squads, and a newly designed website, video productions, and social networking functions for alumni and students.

*Acting Chair, July 2005 – December 2005*

Department of Civil and Environmental Engineering, Southern Illinois University, Carbondale, IL

- Responsible for fiscal and personnel management, student advisement, and course scheduling.
- Led program assessment efforts and initiatives to increase student recruitment and registration.
- Maintained alumni and donor relations, including developing an annual alumni newsletter and acquiring MWH Soft Excellence in Education grant (\$80,000) for support of departmental teaching software.

### ***Academic Appointments***

*Professor, July 2015 – Present*

*Freeport McMoRan Endowed Chair in Environmental Modeling, January 2017 - Present*

Department of Civil Engineering, University of New Orleans, New Orleans, LA

*Professor, July 2007 – June 2015*

*Associate Professor, July 2003 – June 2007*

*Assistant Professor, August 1998 – June 2003*

Department of Civil and Environmental Engineering, Southern Illinois University, Carbondale, IL

### ***Other Professional Employment***

*Environmental Engineering Officer, Lieutenant J.G., May 1993 – January 1997*

U.S. Public Health Service, Sells, AZ and Casa Grande, AZ

- Responsible for the planning, design and construction management of water supply and waste disposal facilities for underserved communities on Tohono O’odham Tribal lands;
- Formulated multi-agency efforts and built consensus for plans at Tribal/community/agency meetings, and;
- Administered approximately \$5 million of federal project construction.

## **HONORS AND DESIGNATIONS**

Registered Professional Engineer, State of Arizona, Certificate No. 31134.

Registered Professional Engineer, State of Illinois, Certificate No. 062-052763.

Certified Professional Hydrologist, American Institute of Hydrology, Certificate No. 1560.

Certified Diplomate, American Academy of Water Resources Engineers, Certificate No. 00165.

Fellow, American Society of Civil Engineers, No. 267389.

Honor Society of Phi Theta Kappa, Honorary Member.

Honor Society of Phi Kappa Phi, Life Member.

Tau Beta Pi (Engineering Honor Society), Life Member.

National Higher Education Policy Fellowship Program, Institute for Citizens and Scholars, Fellow, 2021.

NCAA Champion of Diversity Award, National Collegiate Athletic Association, 2021.

Harvard Business School, Leadership for Senior Executives, 2021.

2020 Best Seminal Paper Award by ASCE Environmental and Water Resources Institute for “State of the Art for Genetic Algorithms and Beyond in Water Resources Planning and Management,” *J. of WRPM*

Academy of Distinguished Alumni, Arizona State Univ., School of Sustainable Engineering, 2019.

New Orleans Young Leadership Council Role Model Award, 2019.

American Council on Education, Institute for New Presidents, 2017.

New Orleans Magazine, People to Watch, October 2016.

New Orleans City Business, Ones to Watch List, September 2015.

American Council on Education, Advancing to the Presidency Program, 2014.

Associate Editor Award Winner, J. of Hydrology, Elsevier, 2013.  
American Council on Education, Center for Effective Leadership, Inst. for Chief Academic Officers, 2011.  
College of Engineering Excellence through Commitment Outstanding Teaching Award, SIU, 2006.  
National Excellence in Engineering Education Award, MWH Soft, Inc., Pasadena, CA, 2005.  
Dean Juh Wah Chen Outstanding Faculty Research Paper Award, SIU, 2002.  
Dean Kenneth E. Tempelmeyer Outstanding Faculty Research Award, SIU, 2002.  
New Faculty Excellence in Teaching Award, American Society of Civil Engineers, Washington, D.C., 2002.  
Dean Thomas B. Jefferson College of Engineering Outstanding Teacher Award, SIU, 2002.  
Distinguished Faculty Award, Undergraduate Student Government, SIU, 2001.  
Outstanding Teacher Award, College of Engineering, SIU, 1999.  
Outstanding Teacher Award, Department of Civil Engineering, SIU, 1999.  
Excellence in Civil Engineering Education (ExCEEEd) Teacher Training Fellowship, United States Military Academy, American Society of Civil Engineers, 1999.

## **SERVICE ACTIVITIES**

### ***Professional***

Burrell College of Osteopathic Medicine, Board of Trustees, 2024  
New Orleans Higher Education Consortium, Member and Founding Board Chair, 2021-2022  
New Orleans Mayoral Stimulus Command Task Force, Member, 2021-22.  
National Collegiate Athletics Association, Div. I Pathways Mentor, 2021-22.  
National Collegiate Athletics Assoc., President's Forum, Southland Conference Representative, 2021-2022.  
Southland Athletic Conference Board of Directors, Member, 2016-2022.  
Southland Conference, Diversity, Equity and Inclusion Task Force, Member, 2019-2022.  
New Orleans Data Center, Advisory Board on Systemic Inequity, Member, 2021-2022.  
New Orleans Mayoral Working Group on Community Services, Member, 2021.  
New Orleans Mayoral Task Force on COVID-19 Response, Member, 2020-2021.  
New Orleans Women's Final Four Local Organizing Committee, Board of Directors, Member, 2019-2022.  
New Orleans Educational Telecommunications Consortium, Member 2016-18, Chair 2019-2020.  
Association of Public and Land-Grant Universities, Member, 2011-2022.  
Coalition of Urban Serving Universities, Member 2017-2022.  
American Council on Education, Member, 2013-2021.  
Orleans Parish Chamber of Commerce, Member, 2016-2022.  
Jefferson Parish Chamber of Commerce, Board of Directors, Member, 2016-2022.  
Greater New Orleans, Inc., Board of Directors, Member, 2016-2022.  
Accreditation Board for Engineering and Technology, Program Evaluator, 2013-2020.  
Associate Editor, Journal of Hydrology, Elsevier, 2007-2015.  
Track Manager and Chair, Evolutionary Computation in Environmental and Water Resources Engineering, Annual World Water and Environmental Resources Congress, 2005-2011.  
Editorial Board Member, Int'l Conference on Civil, Structural and Environmental Engrg. Computing, 2005.  
International Water Resources Assoc., Executive Board Member, Treasurer, 2004-2006.  
Consortium of Universities for the Advancement of Hydrologic Science, Inc., Campus Rep., 2004-2014.  
International Program Committee for the International Federation of Automatic Control Workshop ("Modeling and Control of Environmental Systems, 2004, Venice, Italy), Member, 2003-2004.  
Systems Committee of the Environmental and Water Resources Institute, ASCE, Member, 2002-2008.

Task Committee on Evolutionary Computation in Environmental and Water Resources Engineering, American Society of Civil Engineers, Member, 2001-2004, Chair, 2005-2010.

Task Committee on Environmental and Water Resources Systems Education, American Society of Civil Engineers, Member, 2004-2010.

Task Committee on Systems Analysis for Watershed Management, American Society of Civil Engineers, Member, 2005-2009.

International Water Resources Assoc., Executive Board Election Committee, Member, 2000.

Working Group and Government Recommendation Committee on the Role of Desalination in Averting a Global Water Crisis, Member, 1999.

### **Community**

Military Officers Association of America, Member 2024

Junior Achievement of the Space Coast, Board Member, 2023-2024

United Way of Brevard County, Board Member, 2023-2024

Economic Development Commission of the Space Coast, Board Member, 2023-2024

Civilian Military Community Relations Council, Member, 2023-2024

Rotary Club of New Orleans, Member, 2016-2022.

Ben Franklin High School, Board Member, 2016-2022.

New Orleans Bureau for Governmental Research, Member, 2019-2022.

University of New Orleans Foundation, Board Member, 2016-2022.

University of New Orleans Research and Technology Foundation, Board Member, 2016-2022.

New Orleans Business Alliance, Advisory Council Member, 2016-2022.

New Orleans Business Council, Member, 2016-2022.

New Orleans Business Council's Sewer and Water Board Task Force, 2020-2022.

Al Copeland Cancer Foundation, Board of Directors, Member, 2018-2022.

New Orleans Business Council's City Revenue Task Force, 2018-2020.

Southern Illinois Research Park, Board Member, 2011-2014.

Epiphany Church, Council Member, 2010-2013.

Carbondale Sports, Board Member, 2008-2009; Vice-President 2010.

Carbondale Sports, Pony Baseball Coach, 2008-2010.

Carbondale Upward Basketball, League Coach, 2007-2011.

Carbondale Sports, NFL Flag Football Coach, 2008-2010.

Carbondale New School, Strategic Planning Board, 2008-2010.

Illinois Junior Academy of Science, Science Fair Judge, 2000.

Illinois Junior Science and Humanities Symposium, Volunteer, 1999.

## **PUBLICATIONS**

### **Books**

Nicklow, J.W. and Boulos, P.F. (2007). *Essential Water and Wastewater Calculations for Engineers and Operators*, MWH Soft, Inc., Pasadena, CA.

Nicklow, J.W., Boulos, P.F., and Muleta, M.K. (2006). *Comprehensive Urban Hydrologic Modeling Handbook for Engineers and Planners*, MWH Soft, Inc., Pasadena, CA.

Nicklow, J.W. and Boulos, P.F. (2005). *Comprehensive Water and Wastewater Treatment Plant Hydraulics Handbook for Engineers and Operators*, MWH Soft, Inc., Pasadena, CA.

Nicklow, J.W., Boulos, P.F., and Muleta, M.K. (2004). *Comprehensive Sewer Collection Systems Analysis Handbook for Engineers and Planners*, MWH Soft, Inc., Pasadena, CA.



### Articles in Professional Journals

- DeRuntz, B.D., Kowalchuk, R.K., Narusis, J.D., and Nicklow, J.W. (2017). "Hoshin Kanri X-Matrix: Organizational management tool successfully implemented in an engineering leadership development program." *Quality Approaches in Higher Education*, 8(1), 4-11.
- Sarafraz, Z., Sarafraz, H., Sayeh, M., and Nicklow J.W. (2015). "Student yield maximization using genetic algorithm on a predictive enrollment neural network model." *Procedia Computer Science*, 61: 341-348.
- Artita, K., Kaini, P., and Nicklow, J.W. (2013). "Examining the possibilities: Generating alternative watershed-scale BMP designs with evolutionary algorithms." *Water Resources Management*, 27(11): 3849-3863.
- Kowalchuk, R.K., DeRuntz, B.D., and Nicklow, J.W. (2013). "Investing in engineering student leaders through industrial and STEM partnerships." *Quality Approaches in Higher Education*, 4(1): 23-30.
- Kaini, P., Artita, K., and Nicklow, J.W. (2012). "Optimizing structural best management practices Using SWAT and genetic algorithm to improve water quality goals." *Water Resources Management*, 26(7): 1827-1845.
- Dessalegne, T. and Nicklow, J.W. (2012). "Artificial life algorithm for management of multi-reservoir river systems." *Water Resources Management*, 26(5): 1125-1141.
- Nicklow, J.W., Reed, P., Savic, D., Dessalegne, T., Harrell, L., Chan-Hilton, A., Karamouz, M., Minsker, B., Ostfeld, A., Singh, A., and Zechman, E. (2010). "State of the art for genetic algorithms and beyond in water resources planning and management." *J. of Water Resources Planning and Management*, ASCE, 136(4): 412-432 (Named 2020 Best Seminal Paper by ASCE EWRI).
- Bekele, E.G. and Nicklow, J.W. (2007). "Multi-objective automatic calibration of SWAT using NSGA-II." *J. of Hydrology*, Elsevier, 341: 165-176.
- Muleta, M.K., Nicklow, J.W., and Bekele, E.G. (2007). "Sensitivity of a distributed watershed simulation model to spatial scale." *J. of Hydrologic Engineering*, ASCE, 12(2): 163-172.
- Nicklow, J.W., Marikunte, S.S., and Chevalier, L.R. (2007). "Balancing pedagogical and professional practice skill in the training of graduate teaching assistants." *J. of Prof. Issues in Engineering Education and Practice*, ASCE, 133(2): 89-93.
- Lant, C.L., Kraft, S.E., Beaulieu, J., Bennett, D., Loftus, T., and Nicklow, J.W. (2005). "Using GIS-based ecological-economic modeling to evaluate policies affecting agricultural watersheds." *Ecological Economics*, Elsevier, 55(4): 467-484.
- Bekele, E.G. and Nicklow, J.W. (2005) "Multiobjective management of ecosystem services by integrative watershed modeling and evolutionary algorithms." *Water Resources Research*, AGU, 41(10), W10406, doi:10.1029/2005WR004090.
- Muleta, M.K. and Nicklow, J.W. (2005). "Sensitivity and uncertainty analysis coupled with automatic calibration for a distributed watershed model." *J. of Hydrology*, Elsevier, 306: 127-145.
- Muleta, M.K. and Nicklow, J.W. (2005). "Decision support for watershed management using evolutionary algorithms." *Journal of Water Res. Planning and Mgmt.*, ASCE, 131(1): 35-44.
- Muleta, M.K. and Nicklow, J.W. (2004). "Joint application of artificial neural networks and evolutionary algorithms to watershed management." *Water Resources Management*, Kluwer, 18(5): 459-482.
- Dessalegne, T., Nicklow, J.W. and Minder, E. (2004). "Evolutionary computation to control unnatural water level fluctuations in multi-reservoir river systems." *River Research and Applications*, Wiley, 20(6): 619-634.
- Nicklow, J.W. and Hellman, A.P. (2004). "Optimal design of storm water inlets for highway drainage." *J. of Hydroinformatics*, IWA." *J. of Hydroinformatics*, IWA, 6(4): 245-257.
- Oertel, A.O. and Nicklow, J.W. (2003). "Evaluation of ground water denitrification at a biosolids disposal site." *Environmental Monitoring and Assessment*, Kluwer, 87(1): 1-31.
- Nicklow, J.W., Ozkurt, O., and Bringer, J.A. (2003). "Control of channel bed morphology in large-scale river networks using a genetic algorithm." *Water Resources Management*, Kluwer, 17(2): 113-132.
- Kraft, S.E., Lant, C.L., Beaulieu, J., Duram, L., Ruhl, J.B., Bennett, D., Adams, J., Nicklow, J.W., Loftus, T. (2002). "Planning in multiple-ownership watersheds: Social, agricultural and hydrological factors." *J. of Soil and Water Conservation*, SWCS, 57(5): 285-307.

- Muleta, M.K. and Nicklow, J.W. (2002). "Evolutionary algorithms for multiobjective evaluation of watershed management decisions." *J. of Hydroinformatics*, IWA, 4(2): 83-97.
- Richardson, J.P. and Nicklow, J.W. (2002). "In situ permeable reactive barriers for groundwater contamination." *Soil and Sediment Contamination*, AEHS, 11(2): 241-268.
- Nicklow, J.W. and Muleta, M.K. (2001). "Watershed management technique to control sediment yield in agriculturally dominated areas." *Water International*, IWRA, 26(3): 435-443.
- Nicklow, J.W. and Mays, L.W. (2001). "Optimal control of reservoir releases to minimize sedimentation in rivers and reservoirs." *J. of American Water Res. Assoc.*, AWRA, 37(1): 197-211.
- Nicklow, J.W. and Mays, L.W. (2000). "Optimization of multiple reservoir networks for sedimentation control." *J. of Hydraulic Engineering*, ASCE, 126(4): 232-242.
- Nicklow, J.W. (2000). "Discrete-time optimal control for water resources engineering and management." *Water International*, IWRA, 25(1); 89-95.

### **Book Chapters**

- Nicklow, J.W., Misgna, G., Lant, C.L., and Kraft, S.E. (2013). "Evolution of agricultural watersheds in a systems management framework." In *Water Resources Systems Analysis Through Case Studies: Data and Models for Decision Making*. D. Watkins (Ed). American Society of Civil Engineers, Reston, VA.
- Chevalier, L.R. and Nicklow, J.W. (2006). "Web based projects for Civil and Environmental Engineering education: Pedagogy, assessment and lessons learned." In *Innovations 2006: World Innovations in Engineering Education and Research*. W. Aung, C. Croshwaite, R.V. Espinosa, J. Moscinski, S-H. Ou, and L.M. Ruiz (Ed). International Network for Engineering Education and Research (iNEER), Arlington, VA.
- Nicklow, J.W. (2005). "River-Reservoir System Operation for Sediment Control." In *Water Resources Systems Management Tools*. L.W. Mays (Ed). McGraw Hill, New York.
- Nicklow, J.W. (2003). "Design of Storm Water Inlets." In *Urban Stormwater Management Tools*. L.W. Mays (Ed). McGraw Hill, New York.
- Nicklow, J.W. (2003). "Dams." In *Water: Sciences and Issues*. E.J. Dasch (Ed). Macmillan Reference USA, Farmington Hills, MI.
- Nicklow, J.W. (2001). "Design of Storm Water Inlets." In *Stormwater Collection Systems Handbook*. L.W. Mays (Ed). McGraw Hill, New York.

### **Papers and Presentations at Professional Meetings**

- Nicklow, J., Kimbrough, W., and Carlson, J. (2022). "Cultivating Workforce Development Ecosystems." *Delta Summit of the Delta Regional Authority*, March 30.
- Nicklow, J., Frazier, T., Wainwright, W., and Messer, Q. (2021). "Higher Education and Pipeline Roundtable." Phelps/Gulf Point, Jan. 26.
- Kimbrough, W., Nicklow, J., Tetlow, T., Fitts, M., and Verret, R. (2020). "Equity in Higher Education Roundtable." Center for Equity, Justice and the Human Spirit and the Campaign for Equity New Orleans, Aug. 5.
- Nicklow, J., Martinez, E., Noyes, C., Smith, E., and Staisloff, R. (2019). "Determining the ROI of Cross-Sector Partnerships for College Student Success." *Grantmakers for Education Conference*, Oct. 22.
- Nicklow, J. (2019). Keynote speaker, *Louisiana Civil Engineering Conference and Show*, Sept. 25.
- Nicklow, J. (2019). "First generation students." *Life After College*, April 19.
- Nicklow, J. (2018). "The role of higher education in preparing a coastal workforce." *State of the Coast 2018*, May 30.
- Nicklow, J. (2017). "Surviving the storm: The Resiliency of universities and their leaders." *APLU Annual Meeting*. Nov. 13.
- Nicklow, J. (2017). "Higher education horizons." *Academic Chairpersons Conference*, Feb. 10.
- Nicklow, J. (2016). "Trends affecting higher education today: Challenges and successes." *HBCU Faculty Development Network Panel*, Oct. 21.
- Nicklow, J. (2016). Keynote speaker for Regional Engineering Forum, Oct.

- Nicklow, J. (2016) "Trends in higher education." *Trends Affecting Higher Education Today: Challenges and Successes*, Oct.
- Nicklow, J. (2016). Keynote speaker for Bureau of Governmental Research, July.
- Yazdi, Z., Sayeh, M., and Nicklow, J. (2015). "Student yield maximization using genetic algorithms on a predictive enrollment neural network model." *Complex Adaptive Systems*, San Jose, CA, Nov. 2-4.
- Narusis, J., Kowalchuk, R., Neuhoff, E., Palmer, J., DeRuntz, B., and Nicklow, J., (2015). "Leadership development program: Investing in future leaders." *American Educational Research Association Annual Meeting*, April 16-20.
- Nicklow, J. (2015). Keynote speaker for Southwest Symposium for Contemporary Engineering Topics, Feb.
- Nicklow, J., Vitter, J., and Renick, T. (2014). "Data-driven student success: Creating a culture where numbers matter." *APLU Annual Meeting*, Nov. 2.
- Kowalchuk, R., DeRuntz, B. and Nicklow, J. (2014). Hoshin Kanri X-Matrix Drives Engineering Leadership program success. *Proceedings of the 2014 ASEE Conference*, Indianapolis, IN, June 15-18.
- Nicklow, J. (2014). "Transforming student success: Harnessing the power of big data at Southern Illinois University." *EAB Webinar for University Provosts*, Feb. 27.
- Kopper, B., Arthur, V., Hensrud, F., and Nicklow, J. (2013). "Leadership in turbulent times: Turning crises and challenges into opportunities." *HLC Annual Meeting*, Chicago, IL. April 5-6.
- Kowalchuk, R., DeRuntz, B. and Nicklow, J. (2012). Student leadership program: Results and benefits. *Assoc. of Technology Management and Applied Engineering Conference*, Nashville, TN, Nov. 15-16.
- DeRuntz, B., Kowalchuk, R., and Nicklow, J. (2012). "Industrial and STEM partnership creates engineering student leaders." *ASQ STEM Conference*, Menomonie, WI, July 16-17.
- Voyles, E., Nguyen, D., Kowalchuk, R., Nicklow, J., and Ricks, R. (2011). "Engineering students' attitudes towards mathematics. *Midwestern Education Research Conference*, St. Louis, MO, October 12-15.
- Voyles, E., Kowalchuk, R., Nicklow, J., Ricks, R., and Eisenhauer, J. (2011). "Residential peer mentoring benefits mentees: What about mentors?" *Proceedings of the 2011 ASEE Conference*, Vancouver, BC, Canada, June 26-29.
- Kowalchuk, R., Green, T., Ricks, R., Nicklow, J. (2010). "Evaluation of a summer bridge program on engineering students' persistence and success." *Proceedings of the 2010 ASEE Conference*, Louisville, KY, June 20-23.
- Kaini, P., Nicklow, J., and Schoof, J. (2010). "Impact of Climate change projections and best management practices on river flows and sediment loads." *Proceedings of the 2010 World Water and Environmental Resources Congress, ASCE*, Providence, RI, May 16-20.
- Nicklow, J., Kowalchuk, R., Gupta, L., Tezcan, J., and Mathias, J. (2009). "A short-term assessment of a multi-faceted engineering retention program." *Proceedings of the 2009 Frontiers in Education Conference*, San Antonio, TX, Oct. 18-21.
- Ricks, R., Kowalchuk, R., Nicklow, J., Graceson-Martin, L. Gupta, L., Mathias, J., Tezcan, J., and Pericak-Spector, K. (2009). "Evaluation of a new engineering residential college initiative." *Proceedings of the 2009 ASEE Conference*, Austin, TX, June 14-17.
- Kaini, P., Artita, K., and Nicklow, J.W. (2009). "Generating different scenarios of BMP designs in a watershed scale by combining NSGA2 with SWAT." *Proceedings of the 2009 World Water and Environmental Resources Congress, ASCE*, Kansas City, MO, May 17-21.
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