

Keith A. Rahn
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Education

- M.A. – Industrial Technology Education, Ball State University, Muncie, IN, 1986
- B.S. – Industrial Technology Education with Business Minor, Ball State University, Muncie, IN, 1981

Employment and Positions

- 2018 – Present: Associate Professor, School of Building Science, Auburn University, Auburn, Alabama
- 2012 – 2018: Assistant Professor, School of Building Science, Auburn University, Auburn, Alabama
- 2002 – 2012: Instructional Assistant Professor, Illinois State University, Normal, Illinois
- 1997 – 2002: President, Rahn Mechanical Incorporated, Muncie, Indiana
- 1994 – 1997: Vice President, Meyers Mechanical Corporation, Richmond, Indiana
- 1989 – 1994: Senior Project Manager, J.A. House Corporation, Indianapolis
- 1986 – 1989: Production and Facility Engineer, United Technology Carrier, Indianapolis, Indiana
- 1981 – 1986: Industrial Technology Educator, Avon Middle School, Avon, Indiana

Selected Honors & Award

- **Nominated**
 - President of the International Board, Sigma Lambda Chi International. (April 2017 - Present)
 - Vice President of International Board, Sigma Lambda Chi International. (April 2015 - 2017)
 - Board Member, Sigma Lambda Chi International - Construction Honor Society. (April 2013 - Present)
- **Received**
 - ASC Region 2 Teaching Award, Associated Schools of Construction (April 2017)
 - Faculty Excellence Service Award, McWhorter School of Building Science. (April 2016)
 - Best Conference Poster, Associated School of Construction (April 2014)
 - Faculty Excellence Service Award, McWhorter School of Building Science (April 2014)
 - 2007 MCAA Educator of the Year, Mechanical Contractors Association of America (March 2007)

Selected University Committee

- Auburn University Academic Sustainability Advisory Committee (August 2020 – Present)

Selected Publications & Presentations

Refereed Journal Articles

LeBleu C 25%, Dougherty M 25%, Rahn K 20%, Wright A 20%, Bowen R 3%, Wang R 3%, Orjuela JA 2%, Britton K. 2%
Quantifying Thermal Characteristics of Stormwater through Low Impact Development Systems. Hydrology. 2019; 6(1):16.

Sandage, M. 50%, Rahn, K. 40%, Smith, A. G.* 10% (2017). Vocal Ergonomics in the Workplace: HVAC Method Influences on Vocal Comfort and Function. Journal of Speech Language and Hearing Research, Volume 60, Issue2 (February 2017), pp. 355-363. <http://jslhr.pubs.asha.org/article.aspx?articleid=2599997>

Conference Proceedings

Roberts, T. 30%, Rahn, K. 25%, Dougherty, M. 25%, LeBleu, C. 20%, Effects of Pervious Concrete Thickness on Leachate Water Temperature during Simulated Rain Events. Accepted conference paper at 2021 Associated School of Construction proceedings.

Rahn, K. 60%, P.* 25%, Dougherty, M. 15% (2017). Laboratory Methods Examining The Effects Of Pavement Runoff (8 p.). Procedia Engineering

Rahn, K. 100% (2017). Sustainability Principles within a Construction Education Curriculum Based on Student Learning Outcomes (10 p.). <http://ascpro0.ascweb.org/archives/cd/2017/paper/CEUE172002017.pdf>

Sellers, K.* 50%, Rahn, K. 40%, Kramer, S. 10% (2017). Identifying Cost Impacts to Public Storm Water Infrastructure for Campus Development

Rahn, K. 50%, Davis, J. M.* 50% (2017). The Viability of the FLIR One Camera for the Corps of Engineers and Construction Companies

Rahn, K. 50%, McMullen, M. M.* 50% (2016). Investigating the Effectiveness of Beach Fill Projects in the Northeast Region of the United States (978-615-5270-24-6 ed., pp. 109-114). Budapest: Diamond Congress Ltd. 2016.creative-construction-conference.com/wp-content/uploads/2016 Proceedings.pdf

Rahn, K. 40%, Hein, M. 25%, Dougherty, M. 25%, Gandy, J.* 10% (2015). The Contribution of Pavements to Urban Heat Islands (8 p.). ascpro.ascweb.org/chair/paper/CPRT324002015.pdf

Presentations

Rahn, K. (Presenter & Author), Davis, P. (Author Only), Dougherty, M. (Author Only), 2017 Creative Construction Conference, "Laboratory Methods Examining the Effects Of Pavement Runoff," Diamond Congress, Ltd., Primosten, Croatia. (June 2017)

Rahn, K., 53rd ASC International Conference, "Sustainability Principles Within a Construction Education Curriculum Based on Student Learning Outcomes," Associated Schools of Construction, Seattle, WA. (April 2017).

Rahn, K. (Presenter & Author), Lebleu, C. (Presenter & Author), Dougherty, M. (Author Only), Wright, A. (Author Only), This Is Research: Faculty Symposium 2016, "Mitigating Heat Transfer from Impervious Surfaces to Stormwater Discharge," Auburn University - Office of Research, University Hotel, Auburn, Alabama. (September 2016)

Rahn, K. (Presenter & Author), Dougherty, M. (Author Only), Hein, M. (Author Only), This Is Research: Faculty Symposium 2015, "The Contribution of Pavements to Urban Heat Islands," Auburn University - Vice President of Research and Economic Development, Auburn University Hotel in Auburn, AL. (September 2015)

Rahn, K. (Presenter & Author), Hein, M. (Author Only), Dougherty, M. (Author Only), Gandy, J. (Author Only), 2015 ASC International Conference, "The Contribution of Pavements to Urban Heat Islands," Associated Schools of Construction, College Station, TX. (April 2015)

Hein, M. (Presenter & Author), Rahn, K. (Presenter & Author), 2014 Pervious in Paradise Conference, "Stormwater Temperature Study on Pervious and Impervious Pavement Systems," National Pervious Concrete Pavement Association, San Diego, California. (August 2014)

Selected Grants

Rahn, K. (Co-Principal), Lebleu, C. (Principal), Wright, A. (Co-Principal), Dougherty, M. (Co-Principal), "Using Pervious Pavements to Mitigate Heat Transfer between Impervious Surfaces and Stormwater Runoff," Sponsored by Office of the Vice President for Research and Economic Development, Auburn University, \$9,000.00. (February 2016 - February 2018)

Rahn, K. (Co-Principal), Lebleu, C. (Co-Principal), "Mitigating Heat Transfer from Impervious Surfaces to Stormwater Discharge Using Alternative Design Methods and Pavement Types," Sponsored by Center for Construction Innovation and Collaboration, \$16,186.00. (January 2015 - December 2016)

Rahn, K. (Co-Principal), Lebleu, C. (Co-Principal), "Mitigating Heat Transfer from Impervious Surfaces to Stormwater Discharge Using Alternative Design Methods and Pavement Types," Sponsored by College of Architecture, Design and Construction, Auburn University, \$5,000.00. (November 2015 - October 2016)

Rahn, K. (Principal), Sandage, M. (Co-Principal), Cao, G. (Co-Principal), Costa Lima, I. R. (Supporting), "Vocal Ergonomics in the Workplace: Determining Optimal Office Placement for Occupational Voice Users Via Thermal Mapping," Sponsored by Center for Construction Innovation and Collaboration, Other, \$12,810.00. (Jan. 2015 – Sept. 2015)

Rahn, K. (Co-Principal), Dougherty, M. (Principal), Blersch, D. M. (Co-Principal), Wright, A. (Co-Principal), Lebleu, C. (Co-Principal), "Light system installation for growth and heat balance investigations into water related phenomena.," Sponsored by Alabama Agricultural Experimental Station, Alabama State Funding (only agencies from the State of Alabama such as ADECA or ALDOT), \$29,968.00. (May 2015 - June 2015)

Rahn, K. (Co-Principal), Hein, M. (Co-Principal), Dougherty, M. (Co-Principal), "Thermal Pollution of Stormwater Runoff from Previous Concrete," Sponsored by Center for Construction Innovation and Collaboration, \$12,500.00. (Jan. 2013 – Nov. 2013)