

ANNOUNCEMENT



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To: Prospective Attendees of the NCAT
Technology Short Course

From: Tom Clayton, SET
Director of Training and Member Services
Colorado Asphalt Pavement Association

Date: June 5, 2019

Subject: Asphalt Technology Scholarship



Attached is the announcement and requirements for applying for the Colorado Chapter APWA/Colorado Asphalt Pavement Association Asphalt Technology Scholarships. Recipients of these scholarships will have the opportunity to attend the "Short Course in Asphalt Technology" taught at the National Center for Asphalt Technology (NCAT) at Auburn University, Auburn, Alabama. This one-week course will provide a general understanding of all phases of HMA technology. If you or someone else in your organization is interested in applying for the scholarship, please follow the instructions that have been attached and return the letter of interest along with endorsements as instructed. Submittal deadline of the letter of interest for the scholarship is **December 2, 2019.**

The Short Course in Asphalt Technology will be held the week of **February 24 to February 28, 2020.**

Recipients of the scholarships will be notified before the 6th of December. Scholarship recipients will be asked to attend a luncheon, if possible, to announce their awards on December 6, 2019 as part of the CAPA all members meeting.

If you are not interested in applying for the scholarship, please pass this announcement along to someone who might be.

Thank you for your interest.


Tom Clayton, SET
Director of Training
And Member Services



2020 ASPHALT TECHNOLOGY SCHOLARSHIP PROGRAM

CAPA/Colorado Chapter APWA/National Center for Asphalt Technology

Background: The Colorado Chapter of the American Public Works Association and the Colorado Asphalt Pavement Association (CAPA) established a scholarship program to expand on the asphalt education opportunities persons who are involved in the design, testing quality control, production, management, supervision, or direction of capital and maintenance projects. Funding has been obtained through both organizations to support asphalt pavement related training and educational opportunities for personnel employed by public work agencies in Colorado, contractors and consultants.

Program: The primary training opportunity that is being presented is the "[Short Course in Asphalt Technology](#)" taught at the National Center for Asphalt Technology (NCAT) at Auburn University, Auburn, Alabama. The purpose of this one-week intensive course is to provide a general understanding of all phases of HMA technology. Upon completion, the participant will be able to make knowledgeable decisions related to HMA pavements and communicate effectively with asphalt specialists and contractors when the need arises. The course will be held the week of February 24, 2020.

For more information, contact NCAT at (334) 844-6241 or by visiting their web site at: <http://eng.auburn.edu/research/centers/ncat/education/training/industry/index.html>

To apply: To apply for the APWA/CAPA Asphalt Technology Scholarship, complete the attached letter of interest along with a letter of endorsement/recommendation from an agency official and/or supervisor from your organization as well as concurrence from an industry representative to the address as shown below. Those individuals awarded the scholarship and accepted into the program will then be enrolled in the Short Course by CAPA. For more information, contact Tom Clayton at (303) 741-6150 X 151 (tomclayton@co-asphalt.com)

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Costs: Each attendee is responsible for all travel costs (room, airline, rental car, etc.). Tuition expenses are covered through the APWA/CAPA Scholarship.

Who should apply: City and County Engineers, Pavement Program Managers, Road & Bridge Supervisors, Public Works Directors, Consultants and Contractors. Selections will be made cooperatively by a joint APWA/CAPA Committee and will be based on the letter of interest/recommendation and position applicability. APWA and CAPA membership in good standing is required.

**Applications are due no later than November 29, 2019.
Persons selected will be notified on or about December 2nd**

Comments from 2019 Scholarship Program Attendees

First, I want to thank the CAPA organization for the scholarship and opportunity to attend the NCAT Asphalt Training Course, February 2019. The course was very well laid out and the presenters were top notch. I was amazed at the training facility and the extent of the research that was being performed. One of the items that I enjoyed most about the class, as many other students in our group, was the lab and track portions. The setup that they have at the facility is world class. I really enjoyed the live demonstrations of the lab test equipment, especially some of the lab equipment that I have not seen like the IDT Fracture Energy Test and the Illinois Flexibility Index Test. The bituminous testing lab and testing equipment was very interesting as well. As for the class work, while I have had prior training to asphalt mixes and design in college, many of the items in the course were a great refresher, such as the volumetric and structural design portions of the course. I enjoyed the talks on the perpetual pavement design, and how that correlates to ME design in the office. My supervisor, Tom Knostman, has mentioned to me the concept of perpetual pavement and how over/ proper design in the beginning of a pavement's life. This concept results in a structure whose ESAL load capacity supersedes the extended life design of the needed load capacity. This allows the structure to only require minimal surface maintenance and saves time, energy and increased user satisfaction in the life of the pavement. Overall the course content and facility was world class. I have already recommended to several of my colleagues that this would be a great class and scholarship to apply for through CAPA. The only item that would improve the course is if some of the live results on the current pavement track performance would be available. Also, I believe that it is great that NCAT is teaming up with Minnesota Roads for combined research in cold climates. These results would greatly benefit climates where temperature cracking is a huge issue, like in Colorado. Again, I appreciated the opportunity from CAPA. Many of the items and team discussions will carry over to help my career and the Fort Collins Community that so heavily demands great pavements. **William Welborn, City of Fort Collins**

Thank you for allowing me to attend the NCAT Short Course in Asphalt Technology at Auburn University. The amount of knowledge that was provided to me through the instructors was tremendous. The course lay out allowed learning with a flow of information that led to a progression of the asphalt industry. Each day was structured to provide an oversight of the asphalt life cycle during a pavement project. This wealth of information combined with my personal work experience is giving me the confidence to provide a better service to my department. I truly enjoy the work being done at NCAT which is allowing the industry to gain insight into behaviors of different designs and conditions. This information is not only allowing the industry to better combat issues but allowing it to better prepare and prevent issues from occurring in the future. With each instructor providing his/her teaching style the information never became repetitive. The instructors certainly kept the attention of the class and provided in depth explanation of the subject they were teaching. Allowing our class to attend the Test Track and County Lee Road gave us the ability to see how the practices being taught are used and how they are performing. It is a great way to tie all the information together. Thank you again to NCAT and CAPA for providing me the opportunity to learn from the industries top leaders and innovators. **Troy Sanchez, City of Westminster, Street Inspector**

Overall the course was very informative and a great learning experience. I now understand that there are many ways to design, produce, and place Hot Mix Asphalt. This knowledge that I gained will be useful in Colorado. The topic that I found the most interesting was the Balanced Mix Design Concept. During this lecture I learned that it is good practice to use Superpave Mix Design and optimize the mix to provide needed performance and balance between stability and durability. As I understand the concept of a Job Mix Formula this Balanced Mix Design concept informed me of the engineering and testing that is being performed to assure quality pavements are being placed. Also being able to have time to visit the lab and have a hands-on experience of the Rutting and Cracking testing methods that were referenced in the Balanced Mix Design lecture allowed me to have some perspective to see that the results are being applied to performance-based specifications. I would like to thank CAPA for this opportunity to attend the Short Course in Asphalt Technology as it provided me a better understanding of all the phases of Asphalt Technology that will give me the ability to make knowledgeable decisions to hot mix asphalt paving **Darrell Morrell, Larimer County Engineering Department**

2020 ASPHALT TECHNOLOGY SCHOLARSHIP PROGRAM

Application/Letter of Interest

CAPA/ Colorado Chapter APWA/NCAT



Applicant:

Organization:

Address:

Address2:

City:

State:

Zip Code:

A letter of interest must be completed by the applicant and submitted along with this form. The letter from the applicant should list specific reasons they are seeking the scholarship.

The applicant is required to obtain at least one letter of recommendation must be completed by an agency supervisor/official or industry supervisor. It will be in the best interest of the applicant to have more than one letter and have letters from both an agency person and a contractor familiar with the applicant.

The letter(s) of recommendation must include the name and title of the person making the recommendation.

Important Dates:

Application Dead line is Friday December 2, 2019

CAPA New Member Luncheon, December 6, 2019

Technology Course Dates: February 24 to February 28, 2020