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Abstract Submission Extended to March 2, 2020!

JRC 2020 is the major, multidisciplinary railroad conference encompassing all aspects of rail transportation and engineering research. Go to:

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TOPICS

Railroad Infrastructure Engineering
Design, engineering, and construction of track, bridge structures and grade crossings; Geotechnical engineering of track substructure and right-of-way; Best practices and advances in technology for the inspection and maintenance of the railroad infrastructure.

Rail Equipment Engineering
Motive power technology; vehicle/track interaction; wheels, couplers, components, and other equipment; rolling stock design, manufacturing, materials, and maintenance.

Signal and Train Control Engineering
Systems integration; track and wayside components; equipment components; positive train control; interoperability, and microprocessor control.

Service Quality and Operations Research
Service availability and reliability; capacity models; impacts of aging equipment on service quality; transport mode integration, especially with high-speed rail; passenger information systems and reservation systems; freight railroad network optimization; asset planning; train scheduling.

Planning and Development
Project management, planning & financing; new start and expansion; transit-oriented development; service planning; environmental impact; workforce development.

Safety and Security
System safety approaches; safety data mgt; risk analysis; accident avoidance, survivability, and investigation; operations safety; human factors; safety improvements; hazmat risk mgt; security assurance; emergency preparedness and response.

Energy Efficiency and Sustainability
Energy conservation, efficiency and storage; modeling; hybrid vehicles; emissions reduction and control; alternative energy sources.
Urban Passenger Rail Transport
Investigations, insights, innovations, and implementations in all aspects of urban passenger rail transport.

Electrification
Catenary and third rail design; materials; efficiency; electrification approaches; design for high speeds; electromagnetic compatibility (EMC); corrosion control; load flow simulation; energy savings storage devices; regenerative braking; smart electrical supply.

Vehicle Track Interaction
Wheel/rail contact; best practices in testing methods and modeling; tools; passenger and freight applications.

Railroad History
Notable structures, equipment, facilities, events and people of historical interest to the railroad engineering community.

New Technologies
System health monitoring, diagnostics, and prognostics; cloud technologies; data analytics, engines, mining, and management; business intelligence; autonomy; internet of things; machine learning; high-speed rail; and hyperloop.
Have you filled out your profile in ASME.org? If not, you should make this a priority as it allows you access to the Rail Transportation Division Group page as well as your Technical Committee Group page. If you have a LinkedIn account, you can quickly import information to complete your ASME.org profile. Once you complete your profile, you can then participate in an existing online group or create your own group based on a specific engineering discipline, your interests, or even your university alumni. You manage group participation, content, tools, and activities. The rich suite of ASME.org functionalities make it easy for you to lead and grow your own group. It's a great opportunity to network, collaborate, and showcase your leadership skills to like-minded engineers.

SAVE THESE DATES
JOINT RAIL CONFERENCES

2021 JRC: - April, 2021 Dates TBD. Baltimore, Maryland.
2022 JRC: - Dates TBD. Columbia S.C.
2023 JRC: - April 12, 13, 14 – VA Tech, Roanoke, VA
Allen Carl Bieber, age 80, of Millcreek Township, passed away on Sunday, September 15, 2019. Al was a wonderful husband and father. He was born on June 19, 1939, and lived in Glendale, Queens, N.Y.

His father, Carl Bieber, was an immigrant from Germany and mother, Gertrude Marie Bieber (Kreth), was born in the U.S. Her parents were from Germany.

Al was a 1957 graduate of Brooklyn Technical High School, where he was on the honor roll and involved in a railroad club. He received his Bachelor's degree from Pratt Institute, where he was a member of Tau Beta Pi, an engineering honor society. He then went on to obtain a Master's degree in mechanical engineering from Cornell University. He went directly to work after high school. He then discovered a work/study program that was offered by the Brooklyn Navy Yard. There, he participated at the U.S. Naval Applied Science Laboratory where testing of internal navigation systems for submarines was done. While never serving in the armed forces, he did his part for national security.

On November 13, 1965, Allen married Patricia Irma Payerle, also of Long Island, N.Y. The couple moved to Erie, Pa., where Allen was offered employment by General Electric Company. He worked at General Electric as a mechanical engineer between 1965 – 2001. He traveled extensively overseas for business. Shortly after his official retirement from General Electric, he worked another sixteen years as a consultant for STV Corporation in Philadelphia. He also established his own company, ACB Railtech.

Allen received many awards during his career and was instrumental in helping with patents for G.E. He was a longtime member of ASME (American Society of Mechanical Engineers) and was elected Fellow of the Society in recognition for many years of work and for his contributions in the field of Mechanical Engineering. This award was presented to him in 2008. Allen served as Expert Witness for the NTSB (National Transportation Safety Board). NTSB studies railroad accidents to determine whether new or additional safety rules or regulations are needed to prevent future problems.

Growing up in Glendale, N.Y. Allen was a Boy Scout and made it to level of Eagle Scout. His hobbies included putting together various types of models and a train layout in the basement. As an adult, Allen continued to pursue his interest in railroads as hobby and career. He was a longtime member of the North East Railway Historical Society serving as president and vice-president at various times. He also was involved with organizing and working on numerous rail excursions for the public. He was a member of the Jaycees early in his career and a lifetime member of the Shriners. He belonged to bowling leagues while living in Glendale and joined a local league when moving to Erie. He enjoyed going to local baseball games and watching games on TV. Al also had an interest in watching golf.

Allen was a member of Emmanuel Presbyterian Church in Erie and later a member of First Presbyterian Church of the Covenant in Erie.

Allen is survived by his wife, Patricia (Payerle) Bieber; his daughter, Linda (Bieber) Majewski and her husband, John of Erie; three brothers: Charles Bieber (Linda) of Clinton, Wash., William Bieber (Gail) of Catoosa, Okla. and Ray Bieber of Boulder, Colo.; three nieces: Beth Reed (Shawn), Andrea Tarkowski and Susan Bieber; and numerous cousins.

The ASME Fellow grade of membership was conferred on Al 03/01/2008.

The ASME Committee of Past Presidents confers the Fellow grade of membership on worthy candidates to recognize their outstanding engineering achievements.