



### Workshop/Presentation Topics

- Making the Transition to the Common Core State Standards for Mathematics
- Big Ideas and Essential Understandings in Mathematics
- Bar Diagrams and Problem Solving
- Problem Solving: Lessons Learned from 30+ Years of Teaching, Research, and Curriculum Development
- Algebra across the Grades  
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## Program Author

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Dr. Randall Charles is Professor Emeritus in the Department of Mathematics at San Jose State University, San Jose, California. He has dedicated his life to mathematics education and works closely to train teachers at all grade levels. His research interests have focused on problem solving with several NCTM publications including *Teaching and Assessing Problem Solving*, *How to Evaluate Progress in Problem Solving*, and *Teaching Mathematics Through Problem Solving*. In recent years Dr. Charles has written and talked extensively on Big Ideas and Essential Understandings related to curriculum, teaching, and assessment. Dr. Charles has served as a K–12 mathematics supervisor, Vice President of the National Council of Supervisors of Mathematics, and a member of the NCTM Research Advisory Committee. Dr. Charles was also a member of the writing team for the NCTM Curriculum Focal Points (2006). He has authored or coauthored more than 100 mathematics textbooks for the elementary, middle school, secondary, and collegiate levels. Dr. Charles served as the lead author for *Scott Foresman-Addison Wesley Mathematics*, *Scott Foresman-Addison Wesley enVisionMATH*, *Prentice Hall Mathematics*, and *enVisionMATH Common Core*.