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Section 1
Fundamental Concepts and Theories

This section serves as a foundation for this exhaustive reference tool by addressing underlying principles essential to the understanding of Transportation Systems and Engineering. Chapters found within these pages provide an excellent framework in which to position Transportation Systems and Engineering within the field of information science and technology. Insight regarding the critical incorporation of global measures into Transportation Systems and Engineering is addressed, while crucial stumbling blocks of this field are explored. With 16 chapters comprising this foundational section, the reader can learn and choose from a compendium of expert research on the elemental theories underscoring the Transportation Systems and Engineering discipline.

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