Research Challenges in Communication discusses hot topics in information design from a variety of perspectives, including computational linguistic, psycholinguistic, stylistic, sociological etc. Key in the proposed section are challenges in information research and applications. For instance: What are the research questions researchers and practitioners have not addressed or not addressed sufficiently? What are the new trends in a field that will likely have a large impact? What will information design look like in 10 years from now? How can existing research be used by practitioners?

Because of the wide scope of the journal these questions can be interpreted very broadly. For instance, they could include views on taking into account the organization of web pages, the interaction between graphs and text, knowledge of the reader, the personality of the reader, social aspects addressed in media, developments in hypertext, computational tools for analysis, intelligent systems communicating with the user or multimodal aspects of communication.

For this first *Research Challenges* David Rapp from the Department of Educational Psychology at the University of Minnesota addresses the importance of reader-guided processes in discourse comprehension. Rapp argues that much work on discourse analysis and discourse psychology has emphasized the contents of communication, while the role of readers' responses to texts has not always received enough attention.

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