

From the back cover of the book **SPEECH SEPARATION BY HUMANS AND MACHINES** edited by Pierre Divenyi, Ph.D.

The ‘cocktail-party’ effect – the ability to focus on one voice in a crowd where many people are speaking at once – is a highly sophisticated skill, usually effortless to listeners but largely impossible for machines. Investigating and unraveling this capacity spans numerous fields including psychology, physiology, engineering and computer science. All these perspectives are brought together in this volume. This is the first collection to date that seeks to bring together the underlying experimental science and the wide variety of technical approaches to give an integrated picture of the problem and solutions to speech separation.

