

# Contents

<b>Preface: Brief history of the Lehmann Symposia: Origins, goals and motivation</b>	
<i>Javier Rojo</i>	v
<b>Contributors to this volume</b>	
<i>.....</i>	vii
<b>Scientific program</b>	
<i>.....</i>	viii
<b>Partial list of participants</b>	
<i>.....</i>	xii
<b>Acknowledgement of referees' services</b>	
<i>.....</i>	xix
<b>PAPERS</b>	
<b>Testing</b>	
<b>On likelihood ratio tests</b>	
<i>Erich L. Lehmann</i>	1
<b>Student's <i>t</i>-test for scale mixture errors</b>	
<i>Gábor J. Székely</i>	9
<b>Multiple Testing</b>	
<b>Recent developments towards optimality in multiple hypothesis testing</b>	
<i>Juliet Popper Shaffer</i>	16
<b>On stepdown control of the false discovery proportion</b>	
<i>Joseph P. Romano and Azeem M. Shaikh</i>	33
<b>An adaptive significance threshold criterion for massive multiple hypotheses testing</b>	
<i>Cheng Cheng</i>	51
<b>Philosophy</b>	
<b>Frequentist statistics as a theory of inductive inference</b>	
<i>Deborah G. Mayo and D. R. Cox</i>	77
<b>Where do statistical models come from? Revisiting the problem of specification</b>	
<i>Aris Spanos</i>	98
<b>Transformation Models, Proportional Hazards</b>	
<b>Modeling inequality and spread in multiple regression</b>	
<i>Rolf Aaberge, Steinar Bjerve and Kjell Doksum</i>	120
<b>Estimation in a class of semiparametric transformation models</b>	
<i>Dorota M. Dabrowska</i>	131
<b>Bayesian transformation hazard models</b>	
<i>Gousheng Yin and Joseph G. Ibrahim</i>	170