## **Contents**

Conference Committees	4
History of ISSE	5
Introduction	6
General Information	8
Presentation	8
Venue Guide	9
Conference Programme	10
A Few Words about Czech Electronics Industry	23
Keynote speeches	
Electronics and its Impact on Energy and the Environment	28
IEEE-HKN: The New International ECE Honor Society	32
Technological and Design Limitations of Bipolar Power Transistors	36
Abstracts	
Oral session	
Hetero System Integration	42
Poster sessions	
A: New Materials and Processes	70
B: Innovations in Film Technologies and LTCC	96
C: Advanced Packaging and Interconnection Technologies	124
D: Thermal Characterization, Reliability and Quality	150
E: System Modelling and Simulation lectronic	208
F: Bioelectronics, Environmental and Ecology in Electronics Technology	266
G: Nanotechnology, Nanomaterials and Nanoelectronics	302
H: Educational and Information Activities in Electronics Technology	336
Authors Index	360