

TABLE OF CONTENTS

		<u>Page</u>
	FOREWORD	v
	TABLE OF CONTENTS	vii
PART I	HIGHLIGHTS OF THE DISCUSSIONS OF THE EXPERT PANEL	xi
1.	Background	xiii
2.	Issues considered by the Expert Panel	xv
3.	Technology options to reduce fuel consumption and emissions	xvi
4.	Proposed measures for implementing desirable options	xx
5.	Need for an integrated strategy	xxv
CONTRIBUTED PAPERS		
PART II	OVERALL FACTORS INFLUENCING FUEL CONSUMPTION AND EMISSIONS REDUCTION	1
1.	Policy options to encourage low emission/low fuel consumption vehicles, D. L. Bleviss	3
2.	Energy, environment and travel, L. Schipper	7
3.	Energy efficiency in road transportation, M. Roma	27
4.	Automotive fuel economy - the technological potential, F. von Hippel	31
5.	Low consumption-low emission passenger cars, C. Gerry	33
6.	Clean and low consumption automobiles, J. van der Weide, R. C. Rijkeboer, P. van Sloten	43
7.	The potential for improving fuel consumption, K.-E. Egeback	47

8.	Note to the OECD/IEA Informal Expert Panel on Low Consumption/Low Emission Automobile, A. Sarrialho	53
9.	The fuel-efficient lightweight car, A. N. Bleijenberg, B. J. C. M. Rutten	57
10.	Reducing fuel consumption and emissions from the vehicle park, J. M. Dunne	65

PART III TECHNOLOGICAL ADVANCEMENTS AND TRENDS

1.	Technology improvements to increase fuel economy, K. G. Duleep	69
2.	Reduction of automobile fuel consumption, J. R. Bang	83
3.	Possibilities for energy saving and reduction of exhaust emission in motor vehicles, K. Kontani	87
4.	How to reduce fuel consumption of road vehicles, J. Delsey	95
5.	Technology options for reducing fuel consumption and emissions of road vehicles, J. Brosthaus	105
6.	The interaction between exhaust emissions and fuel economy for passenger car engines, C. C. J. French, C. H. Such	115
7.	Fuel economy improvement of passenger cars, L. Chinaglia	121
8.	The need of low consuming and emitting automobiles, N. Gorißen	127
9.	Downsizing of automotive spark ignition engines, J. F. Bingham	135
10.	Automotive Heat Engine Technology Program, R. T. Alpaugh	139

PART IV OVERVIEW OF NATIONAL AND INTERNATIONAL PROGRAMMES AND EXPERIENCES

1.	Combustion R&D promoted by the CEC, A. Rossi	155
2.	Traffic and environmental policy in The Netherlands, M. Kroon	163

3.	Considerations for a low consumption/low emission automobile programme, A. Morcheoine	181
4.	Cost effectiveness of future fuel economy improvements, C. Difiglio, K. G. Duleep, D. L. Greene	189
5.	Status of low-pollution, energy-conserving vehicles in Japan, K. Kontani	207
6.	Current state of advanced automotive technology in UK, J. F. Bingham	215
7.	Status and policy of energy saving with respect to motor vehicles in Japan, T. Miyazaki	221
8.	Energy and emissions adaptation of a road transportation system - the Swedish example, G. Kinbom, R. Thörnblom	227
9.	Assessment of potential gains in fuel economy: the US experience, D. Bischoff	229
10.	The Australian experience in developing a strategy of lower emission and lower fuel consumption in motor vehicles - problems, lessons and benefits, J. Tysoe	235

APPENDICES

I.	FINAL PROGRAMME OF THE EXPERT PANEL MEETING	241
II.	LIST OF REGISTERED PARTICIPANTS	249