Table of Contents

Introduction		1
Executive Summary		
1.	EU Labor Markets Facing Globalization and Intensified Technology	
	Competition	21
	1.1 New Competitors from NICs and Transforming Economies	
	in Eastern Europe	31
	1.2 Integration, R&D Dynamics and Technological Specialization	36
	1.3 Structural Aspects of European and US Labor Markets	40
	1.4 Theoretical Aspects of Integration, Innovation and Innovation Policy	
	in Open Economies	49
	1.5 National R&D Financing and the Leakage Problem in the Presence	
	of MNCs	52
2.	R&D Policy and Employment from a Theoretical Perspective	55
	2.1 R&D, New Growth Theory and Employment	55
	2.2 R&D, Competitiveness and Employment	59
	2.3 International Technology Trade, Multinational Companies and FDI	65
	2.4 Innovation Dynamics in New and Established Firms	72
3.	R&D Policy and Employment in the Triade	81
	3.1 R&D Policy in Leading EU Countries	81
	3.2 R&D Policy and Employment in the US	84
	3.3 R&D Policy and Employment in Japan and Asian NICs	95
4.	The Global Economy: R&D, Structural Change and Employment Shifts	103
	4.1 Dynamic Innovation Fields: High Technology and Sustainable	
	Growth	103
	4.2 Technometric Analysis of Innovation in a Comparative	
	Perspective: EU-US-J	110
	4.3 Implications of Technology Position for International Trade	
	Dynamics	119
	4.4 The Role of Small Firms for Innovation and Employment	124
	4.5 Foreign Direct Investment and Labor Market Problems	131
	4.6 Telecoms Liberalization and Employment Growth in the	
	Information Society	133
	4.6.1 Specifics of High-Technology Industry and the	126
	Information Sector	135
	4.6.2 Displacement Effects of Telecoms Liberalization and	124
	New Employment Opportunities	136
5.	European R&D Policy	141
	5.1 Coordination Between National and EU R&D Policy	144
	5.2. Strategies for Basic Research	148

5.3	Improving the Links Within Research and Between		
	Research and Industry	151	
5.4	4 R&D and Reforms in European Capital Markets	156	
٥.:	Optimizing Regional EU Policies		
5.6	6 Reform Requirements at the National Policy Level	157	
5.	7 The EU's R&D Framework: Opportunities for New Initiatives	160	
5.	Labor Market Reforms for EU Competitiveness and	166	
5.9	Employment Growth Complementary Reform Options for Competitiveness and	168	
	Full Employment	176	
6. Su	ammary and Conclusions	176	
		179	
Appe			
I	Tables and Figures	100	
П	R&D Policy in Korea	183	
Ш	Statement of Professor Welfens for the Hearing of the European	195	
IV		197	
v	Coping with Environmental Problems: Positive Employment Effects? Wages and Technology	200	
Refer	References		
List of Figures			
List of Tables			
		229	