

Table of contents

1	Introduction	1
1.1	Background.....	2
1.2	Methods and Data.....	7
1.3	Results and implications.....	8
1.4	References	10
2	Why Should I? Standardisation Participation of Chinese Firms	12
2.1	Abstract.....	12
2.2	Introduction	13
2.3	Methodology.....	14
2.4	Standardisation system of china	15
2.4.1	Economic opening and first reform (1989–2017): The system at the time of study	15
2.4.2	China’s standardisation reform	18
2.4.3	Critical aspects of the system and reform	19
2.5	Motives to participate in standardisation.....	20
2.5.1	Results from the interviews.....	20
2.5.2	Results from the survey.....	23
2.5.3	Two dimensions of difference.....	24
2.5.4	Factor analysis.....	25
2.6	Discussion and conclusion.....	27
2.7	References	29
2.8	Appendix	32
3	Paving the Path: Drivers of Standardisation Participation at ISO	35
3.1	Abstract.....	35
3.2	Introduction	36
3.3	Literature overview and propositions	38
3.3.1	Motives to participate in standardisation.....	38
3.3.2	Agenda setting in international institutions.....	39
3.3.3	Standards and Trade	39
3.3.4	Standards and Innovation	41
3.3.5	The organisational structure of technical work at ISO.....	42
3.4	Three approaches to standardisation systems: China, Europe and the USA	42
3.4.1	Europe	43

3.4.2	USA.....	43
3.4.3	China	44
3.5	Data and methodological approach	45
3.5.1	Committee membership	45
3.5.2	Patent data	46
3.5.3	Trade data	46
3.5.4	Standards data	47
3.5.5	Model	48
3.6	Findings and discussion.....	49
3.7	Conclusion.....	52
3.8	References	54
3.9	Appendix	58
4	Standard Essential Patents and Global Value Chains: Emergence of China as a Game Changer.....	65
4.1	Abstract.....	65
4.2	Introduction	66
4.3	Theoretical background	68
4.3.1	General: patents, standards and SEPs	68
4.3.1.1	Effects of patents on trade.....	68
4.3.1.2	Effects of standards on trade.....	70
4.3.1.3	The special case of SEPs.....	71
4.4	The case and development of China.....	72
4.5	ICT production in GVCs	75
4.5.1	Measuring trade in value added	76
4.6	Hypotheses.....	77
4.7	Empirical Model and Data.....	80
4.7.1	Empirical Model.....	80
4.7.2	Data sources	80
4.7.3	Dependent variable: TiVa	80
4.7.4	Independent variables.....	81
4.7.4.1	Sector output	81
4.7.4.2	Stock of standards	81
4.7.4.3	Stock of patents	82
4.7.4.4	Stock of SEPs.....	82
4.7.4.5	Controls: population and infrastructure	83

4.8	Results and discussion	83
4.9	Conclusion	87
4.10	References	89
4.11	Appendix	95
5	Conclusion.....	98