



City Research Online

City, University of London Institutional Repository

Citation: Jones, A. & Murphy, J. T. (2010). Practice and Economic Geography. *Geography Compass*, 4(4), pp. 303-319. doi: 10.1111/j.1749-8198.2009.00315.x

This is the unspecified version of the paper.

This version of the publication may differ from the final published version.

Permanent repository link: <https://openaccess.city.ac.uk/id/eprint/2596/>

Link to published version: <https://doi.org/10.1111/j.1749-8198.2009.00315.x>

Copyright: City Research Online aims to make research outputs of City, University of London available to a wider audience. Copyright and Moral Rights remain with the author(s) and/or copyright holders. URLs from City Research Online may be freely distributed and linked to.

Reuse: Copies of full items can be used for personal research or study, educational, or not-for-profit purposes without prior permission or charge. Provided that the authors, title and full bibliographic details are credited, a hyperlink and/or URL is given for the original metadata page and the content is not changed in any way.

Practice and Economic Geography

Andrew Jones

Centre for Applied Economic Geography

Birkbeck College

University of London

Malet Street

LONDON WC1E 7HX

Tel. +44 (0)20 7631 6471

Fax +44 (0)20 7631 6498

Email: a.jones@bbk.ac.uk

James T. Murphy

Clark University

Graduate School of Geography

950 Main Street

Worcester, MA 01610

USA

+1 508-793-7687 (phone)

+1 508-793-8881 (fax)

jammurphy@clarku.edu

1 *Abstract*

2 Economic geography has over the last decade become increasingly interested in the role
3 of practice, conceptualised as the regularised or stabilised social actions through which
4 economic agents organize or coordinate production, marketing, service provision,
5 exchange, and/or innovation activities. Interest in practice is most clearly manifest in a
6 growing body of research concerned to conceptualise how the regularized social relations
7 and interactions linking economic actors (e.g., entrepreneurs, firms) shape the nature of
8 economies, industries, and regional development processes. However, an emphasis on
9 social practice faces significant challenges in that it lacks conceptual coherence, a clear
10 methodological approach, and relevance for public policy. This article critically assesses
11 the idea that practice-oriented research might or should become a core conceptual or
12 epistemological approach in economic geography. In doing so, we identify at least four
13 distinct strands to economic geographical interest in practice: studies centred on
14 institutions, social relations, governmentality and alternative economies respectively. We
15 then argue however that this shift towards practice-oriented work is less a coherent turn
16 than a development and diversification of longstanding strands of work within the sub-
17 discipline.

18
19 **KEYWORDS:** *economic geography, practice, social relations, methodology*

20

21 **1 INTRODUCTION**

22 In recent years, economic geographers have drawn extensively on ideas, concepts,
23 methods, and theories from sociology, cultural, and science studies. To a large extent,
24 this shift reflects the so-called cultural turn in human geography that began in the late
25 1980s (McDowell 1994; Crang 1997; Thrift 2000) and, more recently, a growing interest
26 in relational theories for economic and social organization (Amin 2002; Sheppard 2002;
27 Bathelt & Glückler 2003; Yeung 2005a; Murdoch 2006; Jones 2009). Cultural and
28 relational approaches in economic geography have been driven in part by a dissatisfaction
29 with individualist (e.g., neo-classical or rational-choice theories) and structural (e.g.,
30 institutional) approaches to the study of economies and industries, particularly their
31 ability to conceptualize the social processes and power relations that constitute and
32 transform real-world economic geographies. By focusing on the contextually situated
33 social *processes* where agents and structures co-constitute one another, and where power
34 flows in often diffuse and subtle ways, cultural and relational scholars have sought meso-
35 scale or middle-ground (i.e., between individualist and structuralist) explanations for
36 phenomena such as innovation, agglomeration, livelihoods, regional development, and/or
37 global market integration.

38 In the context of this shift toward culture and relationality, economic geographers
39 have become increasingly concerned with the role of social practices in economic activity
40 (Bathelt & Glückler 2003; Jones 2003; Glückler 2005; Grabher 2006; Murphy 2006).
41 Practices are the regularised or stabilised social actions through which economic agents
42 organize or coordinate production, marketing, service provision, livelihood, exchange,
43 and/or innovation activities. These routinized, institutionalised, or widely legitimated

44 formal and informal social interactions are critical for economic processes not only
45 because they help to organize, structure, and reproduce economic activities, but because
46 they help actors transmit power to one another and to interpret, manage, and/or derive
47 meaning from, and establish identities in, the world. Practices are thus social and spatial
48 forms that situate actors in relation to particular identities, meanings, forms of
49 knowledge, and institutions and embed economic actions and relationships within and
50 between particular places and times. For example, Knorr Cetina and Bruegger (2002)
51 show how the ritualized and tightly, but often informally, regulated practices of currency
52 trading help to constitute and reproduce global financial markets and the identities of
53 traders. Similarly, the everyday practices (e.g., marketing, negotiation, regulation, caring,
54 strategising, consulting, and production) carried out by actors such as households, firms,
55 states, and industrial communities can play a key role in enabling (or preventing)
56 improved livelihoods, industrial innovation, regional growth, wealth redistribution,
57 and/or market internationalization (e.g., Amin and Cohendet 2004; Gertler 2003; Raco
58 2003; Glückler 2005; Smith and Stenning 2006; Palmer & O’Kane 2007; Pain 2008).

59 Economic geographers have become interested in a wide range of different forms
60 of practice in the economy including: the managerial and knowledge creation practices
61 relied on in particular industries and transnational firms (Amin and Cohendet 2004;
62 Glückler 2005; Jones 2005; Faulconbridge 2008; Pain 2008; Palmer & O’Kane 2007), the
63 governing practices of elites and states seeking to control and direct economies
64 (MacKinnon 2000; Larner 2005; Rose-Redwood 2006; Traub-Werner 2007), and the
65 alternative and/or ‘ordinary’ practices that constitute ‘non-capitalist’ economic forms
66 such as cooperatives, informal livelihood strategies, or unpaid labor (Lee 2006; Smith &

67 Stenning 2006; Gibson-Graham 2008). As a concept, ‘practice’ has thus emerged (albeit
68 somewhat ambiguously) as a central element to economic geographies informed by a
69 ‘cultural economic’ (e.g., Hall 2006), ‘institutional’ (e.g., Gertler 2001), and
70 ‘governmental’ (e.g., Raco 2003; Smith & Rochovská 2007) approaches. Perhaps most
71 significantly, practice-oriented scholarship can be linked to ‘relational’ approaches in
72 economic geography where empirical and theoretical emphasis is placed on
73 understanding how the networks and social relations linking different economic actors
74 drive economic globalization, influence regional development processes, and shape such
75 phenomena as innovation, market integration, and workplace cultures (Dicken et al.
76 2001; Amin 2002; Sheppard 2002; Ettlinger 2003; Coe et al. 2004; Yeung 2005a; 2009;
77 Bathelt 2006; Weller 2006).

78 These trends have provoked the tentative suggestion that there has been a more
79 widely-defined conceptual, theoretical and empirical shift or ‘turn’ towards a concern
80 with social relations and/or practices within the sub-discipline. However, the idea that
81 economic geography should or has both undergone some kind of ‘relational turn’ - let
82 along a practice-oriented one – has been strongly contested and criticised (e.g., Overman
83 2004; Sunley 2008). Foremost amongst the criticisms levelled is that relational
84 approaches lack methodological rigor, explanatory power, sensitivity to structural factors,
85 and policy relevance. Setting aside the arguments about whether the terminology of
86 ‘turns’ is appropriate, there appears to be significant concern that economic geographical
87 thinking anchored around ideas such as relationality or social practice is science built on
88 ‘fuzzy concepts, scanty evidence, and policy distance’ (Markusen 1999). More
89 specifically, critics see relational and practice-oriented approaches as unable to develop

90 useful generalized theoretical arguments about the nature of the space economy and as
91 restrictively focused on ‘micro-scale’ processes that do not provide insight into the
92 important (and macro-scale) factors and forces that shape wider economic life. The
93 dangers therefore of economic geography becoming increasingly focused on practice, at
94 the expense of ‘big’ structural factors (e.g., class relations, institutions, neoliberal
95 capitalism), are thus substantial if the sub-discipline is to remain relevant and of interest
96 to policy makers and other decision-makers.

97 Yet we would argue that beneath this apparent pragmatic debate about what
98 economic geography is for, and how best the sub-discipline should tackle key theoretical
99 questions, lie more fundamental tensions concerning the philosophical foundations of
100 economic-geographic thinking. The debate about the validity and utility or otherwise of
101 practice-oriented economic geography in fact is as much about different views within
102 economic geography of what concepts and theories are of use in understanding the
103 economy with, in particular, schools of thought grounded in structuralist social science
104 and quantitative/individualist (i.e., neo-classical utility maximization) methodologies
105 articulating scepticism at newer schools of thought informed by poststructuralist social
106 science and the aftermath of the cultural turn. Such a contention develops from two
107 particular propositions with respect to the role of practice as a concept within economic
108 geography.

109 First, we want to suggest that the notion of a ‘practice turn’ in economic
110 geography is unhelpful. On the one hand, the idea of a practice turn masks the fact that
111 economic geographers have been long interested in social practices as a constituent
112 element of economic activity. In that sense, whilst there may have been a recent revival

113 and development of this interest in practice, it is not particularly novel. Equally, on the
114 other hand, the notion of a recent ‘turn’ to practice implies greater coherence than exists
115 across the diverse range of theoretical frameworks and conceptual perspectives concerned
116 with practice and its influence on economic geographies. Thus we argue that the notion
117 of a practice turn should be replaced with a wider discussion about the diverse and varied
118 forms of practice-oriented economic geography.

119 Second, and in light of this, we suggest that the tension between practice-oriented
120 economic geography and those grounded in structuralist and individualist approaches are
121 neither as distinct nor as irreconcilable as some recent criticisms appear to imply. We
122 further suggest that some of the criticisms levelled at practice-oriented economic
123 geography are misplaced, grounded in problematic assumptions about the relative
124 strengths and weakness of different methodologies. We also argue that a number of other
125 criticisms that have been raised of practice-oriented work are based on misconceptions
126 about what a theoretical emphasis on practice aims to achieve. For us, practice is a
127 powerful, yet complementary concept in that it provides an analytical object that is
128 situated between structuralist (e.g., institutional) and individualist (e.g., utility
129 maximization) explanations for how economic and industrial change occur, one that
130 offers a means to better understand how context, structures, and individual agency or
131 action come together in the doing of economic and industrial activities. As such, practice
132 can inform both structural and individualist accounts of the world, strengthen our
133 empirical understandings of real-world economies, and improve the theoretical
134 frameworks economic geographers use to explain the causes, drivers, and/or obstacles to

135 larger-order economic outcomes (e.g., innovation, regional development, path
136 dependency, production networks).

137 The rest of this article elaborates these arguments in a series of steps. In the next
138 section, we examine the concept of practice itself, assessing how economic geographers’
139 understanding of practice has drawn on a variety of literatures from beyond the subject,
140 particularly sociology, the sociology of science and political theory. The third section
141 then examines the development and implementation of the concept of practice within
142 economic geography, arguing that there has not so much been a recent ‘turn’ towards the
143 concept as rather the development of a number of longstanding and interdisciplinary
144 threads of interest within the sub-discipline. It further suggests that practice-oriented
145 research does not represent a panacea for economic geography – an argument elaborated
146 further in the fourth section as it outlines the major criticisms levelled at practice-oriented
147 work. In light of these arguments, the final section ends by drawing together a number of
148 concluding propositions about how practice-oriented research – though not without
149 certain limitations - can form part of a complementary range of conceptual tools in future
150 economic geographical thinking.

151

152 **2 THE CONCEPTUAL FOUNDATIONS OF PRACTICE**

153 Whilst the concept of (social) practice has a long history within social scientific thought
154 stretching back through the writings several major 20th century philosophers, sociologists,
155 anthropologists, and social psychologists, there are few contributions that try to develop
156 practice as basis for a generic social theory (Reckwitz, 2002). Nevertheless some form of
157 practice or practices conceived as social action rests at the heart of much social science is

158 seeking to theorise and understand. Indeed, one of the most influential twentieth century
159 sociologists, Harold Garfinkel (1967), even went so far as to recommend that the
160 discipline's subject matter should focus primarily on 'practical action' and its
161 implications for social organization.

162 A broad definition of (social) practices as used by social scientists thus
163 corresponds to 'the actions of individual or groups'. This conceptualization of action
164 includes not just physical behaviour but mental activities such as theorizing or learning.
165 Yet like many such generalized concepts, practice has a more specific and distinct
166 meaning within a number of schools of social scientific thinking. Its implementation in
167 contemporary human geography consequently reflects these rich and diverse foundations
168 and we suggest that three different strands of thinking about practice have been
169 particularly influential on human geographers who, since the cultural turn of the 1980s,
170 have drawn on these different theoretical strands and applied them to a wide range of
171 scholarly endeavours. A full review of these developments is beyond the scope of this
172 paper, but it forms the context in which the concept of practice has come increasingly to
173 the fore in economic geography. Figure 1 represents a diagrammatic attempt to illustrate
174 these foundations and their points of overlap or intersection with respect to the concept's
175 broad meaning and significance. Importantly, we do not assert that the role of social
176 practices carries equal weight in these literatures, or indeed that the objective of each of
177 these researchers is to theorize practice *per se*.

178

179 Figure 1: The social-scientific foundations of practice-oriented research

180	Structuring, governing, and resisting practices	Bourdieu Giddens Foucault Certeau	Habitus Structuration Governmentality Tactics
181		
182	Communicative and discursive practices	Habermas Bakhtin Schutz, Goffman Latour, Callon, Law	Communicative rationality Dialogic practice Intersubjectivity Actor-networks
183		
184	Organizing, learning and networking practices	Latour, Callon, Law M. Polanyi Wenger Amin and Cohendet	Actor-networks Tacit knowledge Communities of practice Relationality
185			

186 The first strand of literature is concerned with how practices help structure,
 187 organize, and govern cultures, societies, and nations. This issue has attracted the widest
 188 attention from sociologists, social historians and anthropologists. Central to such debates
 189 is the way in which individual or isolated practices interact with persistent social
 190 formations or structures. Within sociology, Giddens' (1979) structuration theory
 191 represents perhaps one of the key attempts to reconcile this relationship, viewing
 192 practices as everyday activities where agency and structure come together reflexively to
 193 create, reproduce, and/or restructure social systems in intended and unintended ways. In
 194 contrast, Bourdieu (1977) argues that cultural rituals and individual habits (his version of
 195 practice) reflect the dispositions or subconscious understandings the world (he terms this
 196 the *habitus*) that evolve historically and which position individuals within particular
 197 social classes or points in a culture's social structures. A further key contribution is that
 198 of Foucault (1991; 1997), whose concern with practice as a structuring tool emphasises
 199 the role of the state and its techniques of social control that he terms 'governmentality'.
 200 This concept aims to capture how even the mundane practices of government (e.g., town

201 planning, developing and maintaining statistical databases) are ideologically constructed
202 technologies that create “fields” for intervention and domination by the state apparatus.
203 In contrast to Foucault’s rather grim interpretation of practice, de Certeau (1984) views
204 everyday practices in a more hopeful light, seeing them as tactical compromises between
205 an individual’s need to conform to a dominant social order and her/his personal
206 expression of identity, meaning, and values.

207 A second conceptual strand emphasises the role and importance of
208 communicative and discursive practices – such as social performance, social
209 communication, and language – in shaping societies, economies, and cultures. Social
210 psychologists, symbolic interactionists, and ethnomethodologists (e.g., Goffman, 1959;
211 1974; Garfinkel, 1967) view communicative practices as ritualized or framed social
212 performances or techniques of inter-personal communication aimed at achieving
213 particular material or social outcomes. Communication is also a central theme for critical
214 theorists such as Habermas (1984) who focuses on the role that communicative practices
215 can play in helping individuals achieve a shared understanding or ‘communicative
216 rationality’ that, while not resolving differences in opinion or between social groups, can
217 create more plural and fair political systems. For Schutz (1967), successful
218 communication between individuals requires intersubjectivity – a situation where social
219 action becomes possible as individuals recognize and legitimate each others’ verbal and
220 non-verbal utterances. Similarly, Bakhtin & Holquist (1981) view practices in terms of
221 dialogue and discourse, arguing that states and powerful social groups promote unitary
222 forms of what he terms ‘dialogic practice’ able to promote particular ideologies and
223 exclude marginal social groups by creating boundaries between appropriate and non-

224 appropriate forms of communication. Most recently, these ideas have been drawn on by
225 actor-network (ANT) theorists (e.g., Callon, 1986; Law, 1992; Latour 2005) who argue
226 that communication practices offer insights into the ways and means of *translation* – the
227 process through which actors exert power, mobilize material objects, and perform
228 socially in order to achieve particular objectives.

229 ANT's conception of practice has significant common ground with a third group
230 of practice-oriented researchers, those interested in how practices embody tacit forms of
231 knowledge and how they contribute to organizational cohesion and collective learning.
232 Tacit knowledge is that which is practiced by and embodied in individuals and their
233 conscious and subconscious feelings, identities, and circumstances (Polanyi 1967).
234 Because of its practical and cognitive characteristics, tacit knowledge cannot be easily
235 written down or communicated between individuals and is instead best transferred
236 through observation, imitation, and experiential learning (Gertler 2003). Interest in tacit
237 knowledge, and its role in organizational, industrial, and regional development, helped to
238 spawn the communities-of-practice (CoP) literature. CoP scholars have used the concept
239 of practice as an analytical tool to understand how organizations sustain coherence and
240 cohesion, foster collective learning, and transfer (or fail to transfer) knowledge internally
241 and externally (Brown and Duguid 2001; Wenger 1998; Amin & Roberts 2008). For
242 Wenger (1998: 5), practice is “a way of talking about the shared historical and social
243 resources, frameworks, and perspectives that can sustain mutual engagement in action.”
244 In other words, practices are the everyday activities embedded within organizational
245 communities that serve as repositories of the tacit knowledge needed for long-run
246 competitiveness. Furthermore, Amin and Cohendet (2004) contend that practices are

247 fundamentally social and spatial in that they are reproduced and changed through
248 negotiations between groups of individuals who interact within and between particular
249 locations and spaces. When one group of individuals recognize, legitimate, or validate
250 the practices of another they become more relationally proximate and this, in turn,
251 facilitates knowledge transfer and collective learning.

252 Few explicit theorizations or detailed examinations of the practice concept exist
253 although some in sociology have sought to place practice at the centre of more explicit
254 and generalized framework. Perhaps most significant is Reckwitz's (2002) assessment of
255 the prospects for practice to become a stand-alone social-scientific philosophy. For him,
256 practice may provide the scope to overcome some of the longstanding debates in
257 sociology about social structure versus individual agency, and it might enable theory to
258 move beyond the limitations of concepts like those of 'rational social or economic man'.
259 To do so, our understanding of practice needs to move beyond viewing it solely as
260 communicative, social, or material action, mental process, or discourse. Instead, practice
261 should be conceptualized in multi-dimensional terms and as a form of social order that
262 enables a "socially shared way of ascribing meaning to the world" (Reckwitz 2002: 246).
263 A more generalized conception of practice thus offers an alternative framework that
264 emphasizes the embeddedness of social meaning in the everyday world; meaning
265 manifest in the "time-space assemblages" of body-minds, things, knowledge, and
266 discourse, with both structures and agents serving as "carriers" of these assemblages
267 (Reckwitz 2002). Importantly, and despite his rhetorical support for practice as
268 philosophy, Reckwitz (2002: 259) recognizes that practice-oriented thinking remains less
269 a grand theoretical framework than a "loose network of praxeological thinking."

270 For our purposes, the implication of these foundations and developing arguments
271 for economic geography is twofold. First, they demonstrate that practice-oriented social
272 scientific theorizing and research is hardly new or novel and that any purported ‘turn’
273 toward practice is, in reality, part of a long-standing progression toward theories better
274 suited to elucidate the contingencies, agencies, processes, and power relations that
275 constitute the space economy. Second, that practice offers not so much a new theory but
276 an alternative epistemological framework in which knowledge of the social world may be
277 most effectively derived through a focus on the actions, processes, relationships, and
278 contexts through which and where the ordinary, real, and everyday world is constituted.
279 In the next section, we examine how recent understandings of practice within economic
280 geography have become increasingly informed by this developing perspective.

281

282 **3 PRACTICE IN ECONOMIC GEOGRAPHY**

283 The idea that practice can serve as a central organising concept in economic geography is
284 a very recent one, and thus is not explicitly prevalent in the literature (unlike references to
285 cultural, institutional or relational ‘turns’). Moreover, engagements with practice within
286 economic geography are not clearly or explicitly delineated given that practice often
287 serves as a background element or factor in studies of political economy, innovation,
288 networks, industrial organization, and/or regional development. The task of this section is
289 therefore to review a number of different strands of what can be termed ‘practice-
290 oriented’ work in economic geography. We suggest that at least four interrelated but
291 distinctive threads of practice-oriented scholarship are worth identifying in this respect:
292 institutional approaches, political-economic approaches, diverse-economy approaches,

293 and relational or communitarian approaches. Beyond identifying these threads, the goal
294 here is to demonstrate that there are two key commonalities linking these literatures.
295 First, that these authors explicitly or implicitly view practice as a concept or idea that can
296 help to carve out a middle ground of sorts between structural and individualistic accounts
297 of social and economic action; one where a focus on the everyday or routinized activities
298 of actors reveals significant insights into both the cognitive characteristics of agents, and
299 larger-order structures such as institutions, political economies, networks, and/or cultures.
300 Second, that these literatures use practice as a means to better understand socioeconomic
301 processes and/or the power relations governing economies. As such, practice is thought
302 to provide important insights into how and why economic phenomena (e.g., clusters,
303 livelihoods, innovations, growth) evolve, stabilise, or destabilise within particular time-
304 space contexts.

305

306 *3.1 Institutions and practice*

307 The first strand of practice-oriented work distinguishable within economic geography
308 centres on attempts to engage with the role of institutions and their relationship to social
309 practices that constitute economic activity. This concern with institutions within
310 economic geography has drawn on work from evolutionary economics (e.g., Nelson and
311 Winter 1982; Lawson 1997; Hodgson 1999; Castellaci 2006), organizational theory and
312 management studies (e.g., Scott 1995; Braun 2005), and technology studies (e.g., Lall
313 1993; Kemp et al. 1998; Ruttan 2001). What characterizes institution-based engagements
314 with practice has been in particular a concern with seeking to understand how practices
315 reveal the rules, norms, and conventions that govern, coordinate, and direct industries,

316 socio-technical regimes, and regional economies. Practices are particularly significant for
317 institutional evolution given that ‘routinized productive activities carried out by a
318 population of heterogeneous firms [that] may generate a relatively stable pattern of
319 economic activities and relationships over time’ (Castellaci, 2006: 863). A substantial
320 recent economic geographical literature has thus developed regarding the significance of
321 how economic practices are manifest in “conventional-relational transactions” that create
322 “untraded interdependencies” between firms and regions (Storper, 1995; Storper &
323 Salais, 1997), how the everyday practices of economic actors help to create and
324 reproduce larger-order socioeconomic structures (Wood and Valler 2001), how
325 institutionalized practices influence urban or regional competitiveness (Amin 1999; Sokol
326 2007), and how institutions are (re)produced by social practices that have different
327 spatialities (Yeung 2001; Hess 2004). Most recently, an interest in the relationships
328 between practices and institutions can be linked to evolutionary theories in economic
329 geography (Boschma and Lambooy 1999; Boschma and Frenken 2006)

330

331 **3.2 *Political-economic approaches to practice***

332 Another strand to practice-oriented economic geography draws on political-economic
333 concepts of social practice and, in particular, the concept of ‘governmentality.’ In simple
334 terms, the notion of governmentality seeks to capture how organised and often mundane
335 practices (including mentalities, rationalities, and techniques) that are encouraged,
336 enforced, and directed by elites and states govern and control individual subjects
337 (Foucault 1991; Rose 1996). Broadly stated, economic geographers in this vein have
338 become concerned with practice as they seek to more explicitly engage with the power

339 relations that shape economic activity and outcomes.¹ In this perspective, power, viewed
340 in a Foucaultian sense as a series of strategies, techniques and practices“ (Allen, 1997:
341 63; 2003), can shed light on how states and multinational corporations strive to control
342 firms, workers, and consumers through development policies and management practices
343 that enable profit-taking and/or encourage particular kinds of (capitalist) behaviour
344 (MacKinnon 2000; Hughes 2001; Murdoch 2004; Wilson 2006; Langley 2006; Clarke et
345 al. 2007). These scholars have become particularly interested in the use by government
346 and other regulatory bodies of ‘mundane practices and technologies of calculation,
347 notation, and language’ which are central to the production of knowledge, fields of
348 intervention, and governable objects/subjects (e.g., consumers, workers, investors,
349 traders, development experts, urban futures) (Hughes 2001; Larner 2002; Murdoch 2004;
350 Bulkeley 2006; Rose-Redwood 2006; Langley 2006). Relatedly, others have sought to
351 understand how governmental practices maintain and create “hybrid, multi-focal
352 configurations” of neoliberal capitalism (Larner 2005) and how they create disciplinary
353 or prescribed spaces for capitalism’s extension into the life world (Raco 2003; Hudson
354 2004). Such practices are important to understand since they play a key role in sustaining
355 structural inequalities based on race, class, and/or gender and in enabling corporations
356 and states to expand their reach and control over consumers, citizens, and workers (James
357 & Vira 2009).

358

359 3.3 *Diverse economies, livelihoods, and everyday practices*

¹ Some of the contributors to this literature would probably see their work as closer to political than economic geography, but it nevertheless forms one element of practice-oriented human geography concerned with the economic sphere.

360 The third strand to the economic geographical literature on practice is concerned with
361 alternative interpretations of capitalism and what have been termed ‘diverse economies or
362 livelihoods’. This work has examined “ordinary” or everyday economies, and the
363 “complex notions of relationality and power central to their practice” (Lee, 2002: 342).
364 For Lee, such economic geographies are “constituted geographically, socially and
365 politically – and hence practiced (Lee 2006: 421). In contrast to the rational economic
366 actors and consistent structural features (e.g. markets) of conventionally understood
367 capitalism, this diverse economies approach sees to conceptualise economic activities as
368 practices that produce ‘co-present and dynamic hybridizations of alternative,
369 complementary or competing social relations [and] which may vary over the shortest
370 stretches of time and space’ (Lee 2006: 421). This strand of economic geography has
371 thus become interested in the multiple rationalities and logics that frame economic action
372 (Ettlinger 2003), the hybrid interactions between ‘economic’ and ‘non-economic’ actions
373 (Smith & Stenning 2006; Pollard & Samers 2007), and the prospects for the emergence of
374 non-capitalist or alternative economic forms (Gibson-Graham 1996; 2008; Lee et al.
375 2008). Empirically, scholars in this area have largely focused on the livelihood practices
376 emerging in ‘post-socialist’ economies (e.g., Smith 2002; Smith & Stenning 2006; Smith
377 and Rochovská 2007) and alternative forms of exchange or currency systems (Pacione
378 1997; Gregson and Crewe 2003; North 2007). Through an emphasis on everyday lives
379 and alternative forms of economic organization, this literature has demonstrated how
380 capitalism is subject to diverse practices that create negotiated accommodations or
381 contingencies; contrary to monolithic interpretations of its constitution.
382

383 **3.4 Relational approaches to practice**

384 A fourth strand to practice-oriented worked can be identified around a broad category of
385 ‘relational’ and communitarian approaches to economic geographical thinking. Here
386 again economic geographers have looked to and drawn upon a range of works from
387 sociology (e.g., Emirbayer 1997; Knorr-Cetina and Bruegger 2002), science studies (Law
388 1994; Callon et al. 2002; Bruun and Langlais 2003; Darr and Talmud 2003), and
389 management and organizational theory (Wenger 1998; Adler and Kwon 2002; Borgatti
390 and Cross 2003). In taking social relations as its central concern, ‘relational’ economic
391 geography has a strong conceptual and methodological emphasis on social practice as it
392 seeks to identify, interpret and explain the dynamic nature of interpersonal relations that
393 shape economic outcomes. For relational economic geographers, practices serve: as “a
394 source of coherence in a community” (Wenger 1998: 72; Hall 2006; Amin & Roberts
395 2008); as repositories of tacit knowledge (esp. in “best” practices) (Gertler 2001; 2003;
396 Amin & Cohendet 2004; Amin & Roberts 2008; Faulconbridge 2006); as mechanisms
397 that legitimate, control, and coordinate activities in firms and networks (Dicken et al.
398 2001; Glückler 2005; Yeung 2005; Palmer & O’Kane 2007; Jones 2007; 2008); and,
399 lastly, as media that create relational proximity (and trust), thus enabling firms to act at a
400 distance (Amin, 2002; Bathelt & Glückler, 2003; Bathelt et al., 2004; Murphy 2006).

401 The primary scale of analysis for relational economic geography is that of the firm
402 (Dicken & Malmberg 2001; Yeung 2005b), and at least four objects of study can be
403 identified across the relational literature: the core socio-spatial behaviours of
404 businesspeople, firms, and industries (Jones 2003; Beaverstock 2004; Faulconbridge
405 2007); the relationships between these behaviours and outcomes such as exchange,

406 innovation, and profit making (Murphy 2002; 2003; Gertler 2004); the institutional and
407 regional contexts within which such behaviours are enabled or supported (Maskell and
408 Malmberg 1999; Amin and Graham 1997; Bathelt 2006; Murphy 2007); and the
409 implications of such behaviour for regional development processes and wider trends in
410 the global economy (Dicken et al. 2001; Coe et al. 2004). Beyond helping to describe the
411 implications of social behaviour for performance outcomes in firms, industries, value
412 chains, and economies, practice-oriented scholarship of the relational variety also
413 provides important insights into the dynamics of innovation and knowledge production
414 within particular industrial communities, knowledge that is often only realized in the
415 “doing” of business (Wenger 1998; Amin and Cohendet 2004; Jones 2003; Gertler 2003;
416 Yeung 2005a; Amin and Roberts 2008; Hall 2008).

417 Although these objects of study cover a diverse range, all share a conception of
418 practices as everyday relational processes that constitute economic action and hold
419 communities or firms together; processes that are embedded within geographic contexts,
420 networks, institutional structures, power hierarchies, and in relation to spatial scales
421 (Bathelt and Glückler 2003; Yeung 2005a). These processes are manifest as combinations
422 of agency and structure produced and reproduced in regular patterns but which remain
423 open to diverse, contingent, and unpredictable actions, expressions, and outcomes. At the
424 heart of relational approaches, therefore, context, social meaning, and identity are central
425 to interpretations of how practices shape competition, power struggles, learning, and
426 innovation.

427

428 **4 THE LIMITATIONS TO PRACTICE-ORIENTED ECONOMIC**

429 **GEOGRAPHY**

430 It should be clear from preceding discussion that there are multiple strands of practice-
431 oriented work within contemporary economic geography that have roots in the so-called
432 cultural turn in human geography and numerous interdisciplinary cross-fertilisations (esp.
433 with sociology, management studies, and science studies) that have helped to shape
434 economic geography theories since the 1990s. Although this approach to the social-
435 scientific study of economic phenomena has promise, quite clearly there are theoretical
436 and methodological challenges. At least four significant strands of argument have in one
437 way or another been raised in the literature in this respect.

438 First, there is what might be termed a ‘scale critique’ which essentially argues that
439 a conceptual focus on practice is too idiosyncratic and places too much emphasis on the
440 micro-social at the expense of the macro-sociological/political. The consequence is that
441 in terms of theorizing practice-oriented economic geography does not lead to an
442 understanding of higher-level properties. Furthermore, this lack of capacity to understand
443 higher level properties means that relational or practice-oriented work is unable to
444 effectively theorise macro-scale structural forces and their historical role (Peck 2005)

445 Second is what we term the ‘micro-to-macro validity’ challenge which questions
446 the capacity of a focus on specific micro practices to effectively understand the
447 relationship between cause and effect (economic outcomes) (e.g., see Overman 2004).
448 Practice-oriented economic geography thus runs the risk of being purely descriptive and
449 ‘fuzzy’ because it cannot demarcate the boundaries between practices or know which
450 practices, and at what scale, are more or less important. Such a critical engagement is

451 often based on the premise – from orthodox economics principally – that meaningful
452 statements about larger scale phenomena (e.g., regional or global economic trends) can
453 best be made through modelling exercises (e.g., econometrics) that maintain a strict and
454 linear relationship between individual behaviour and economic outcomes (c.f. Overman
455 2004).

456 Third, and related to the first two challenges, there are important concerns about
457 the policy and practical relevance of practice-oriented scholarship, particularly among
458 political-economic minded geographers. For some, practice-oriented work – especially
459 the work done by scholars of the relational variety – lacks the capacity to understand
460 structural power, inequality and uneven development. More specifically, critics assert
461 that relational approaches – particularly those that draw on network and actor-network
462 frameworks – underestimate or overlook the power relations and structural inequalities
463 influencing workers, firms, industries, and economies (Smith 2003). The consequence is
464 that a number of critics doubt the relevance of practice-oriented economic geography to
465 develop theories that have broad currency both more widely in the social sciences and
466 with policy-makers (Sunley 2008).

467 Fourth, practice-oriented economic geography also has important methodological
468 limitations. The key question is whether or not the methodological approaches used by
469 relational, cultural, or practice-oriented researchers – notably qualitative methodological
470 tools - can produce meaningful and generalizeable theories (Yeung 2003; James 2006;
471 Tickell et al. 2007). A counter-strand of the sub-discipline (and indeed within human
472 geography) thus questions the value, rigor and relevance of socio-cultural and relational
473 approaches to economic practices (Overman 2004; Sunley 2008). As Yeung (2003)

474 highlights, relational or practice-oriented research needs to meet the tri-partite litmus test
475 of validity, reliability, and reflexivity if it is to successfully counter such criticisms.

476 While these critiques are significant, they are not insurmountable nor do they
477 imply that practice cannot serve as a key concept for economic geography. What they do
478 highlight is a constructive concern with how practice might be used to more rigorously
479 explain why economic phenomena emerge, persist, or disappear within particular time-
480 space contexts, what practice means for policy, justice, and/or welfare redistribution, and
481 how researchers can actually “do” practice oriented research. For us, practices can only
482 become viable as analytical objects if they can be coherently demarcated and isolated
483 from other factors, if they can be shown to have a significant impact or influence on
484 larger-order phenomena (e.g., regional development, global production networks), and if
485 their study can contribute to or yield theoretical generalizations able to improve our
486 explanations for economic-geographical phenomena. Although we cannot address how
487 these requirements might be met here, we assert that the time is right for scholars
488 interested in practice to focus their energies on developing general frameworks and
489 methodologies able to do so.

490

491 **5 CONCLUSION: THE VALUE OF PRACTICE-ORIENTED ECONOMIC** 492 **GEOGRAPHY**

493 The overarching argument of this paper is that the terminology of a ‘practice turn’ in
494 economic geography is both unnecessary and largely unhelpful. The reason is that - as the
495 diverse literature we have discussed illustrates – there is a substantial body of important
496 work within economic geography that can be justifiably described as practice-oriented,

497 but it does not represents a single school of coherent thought. Many of those cited in this
498 paper would not necessarily even identify their work as explicitly part of a practice-
499 oriented shift within the sub-discipline. Furthermore, an interest in practice is not an
500 especially recent or novel development as economic geographers are not alone in the
501 social sciences in valuing a practice-oriented epistemology. Similar strands of thinking
502 are also present in management studies, urban and regional planning and economic /
503 organizational sociology. As such, it is perhaps more accurate to suggest there has been a
504 deepening of interest in practice within economic geography over the last decade which
505 reflects the continued interdisciplinary perspective of the sub-discipline.

506 That said, the practice concept has a lot to offer in terms of the empirical and
507 theoretical questions it can be applied to. Empirically, the study of practice can provide
508 important insights into the social and spatial dynamics of economic transitions,
509 entrepreneurship, and industrial development. In transitional contexts (e.g., post-Socialist
510 Europe, rapidly globalizing economies), as aptly demonstrated in the diverse economies
511 literature, more “traditional” practices may be threatened or in flux as individuals,
512 households, firms, and industries are forced to contend with new, and often formidable,
513 challenges to their survival and success. How new practices evolve in such contexts, and
514 what they mean for livelihoods, development, and social well-being, is an important area
515 of research. So too is the study of the market internationalization and networking
516 practices used by entrepreneurs, particularly those businesspeople striving to
517 transnationalize their trade, production, and/or investment activities (e.g., see Yeung
518 2009). In this case, relationship development practices can yield important findings
519 about how inter-cultural divides are bridged through the creation of “hybrid” practices

520 that may reflect compromises between individuals and the contexts they come from.
521 Finally, a practice lens can also be applied to the study of new industries and industrial
522 communities where exchange, communication, and innovation practices are only just
523 beginning to emerge and where it is uncertain which forms are to become more widely
524 institutionalized. In this case, empirical studies can help us better understand the
525 trajectories of industrial development and the creation of path dependencies by showing
526 how and why one practice or set of practices “wins out” over the alternatives and what it
527 means for an industry and region.

528 Theoretically, a practice oriented economic geography has much to offer the four
529 strands of literature outlined above (i.e., the institutional, governmental, diverse
530 economies, and relational) as well as to other areas of the subdiscipline (e.g.,
531 environmental economic geography, global production networks, evolutionary theories).
532 For example, a refined practice concept can improve institutional theories through its
533 ability to show how routines (i.e., practices) emerge and become institutionalized such
534 that they shape the evolution of regional economies and industries. Relational theories
535 can also be enhanced, particularly through studies that analyze the regularized forms of
536 interaction that constitute industrial communities and production networks. A key
537 objective would be to improve conceptualizations of the power relations and socio-spatial
538 processes that enable or stifle such phenomena as learning, upgrading, and/or market
539 expansion. Lastly, among others, environmental and evolutionary economic geographers
540 can also benefit from a focus on practice – particularly those scholars interested in more
541 sustainable socio-technical regime transitions and the socio-spatial dynamics of urban
542 and regional development (e.g., Wiskerke 2003; Frenken and Boschma 2007; Truffer

543 2008; Rock et al. 2009). The everyday, geographically situated, practices of
544 consumption, production, innovation, planning, policy making, and environmental
545 management are critical to understand if industrial and sustainability transitions are to be
546 understood and conceptualized.

547 In conclusion, it is important to reassess the question of why practice and why
548 now? For us, much of the impetus for economic geographers to focus on practice has
549 arisen from the substantial and enduring critiques of the limitations of quantitative social
550 science and its incapacity to develop sufficiently sophisticated or detailed understanding
551 of how economic outcomes emerge beneath the level of regional or national economies.
552 To revisit this fundamental epistemological debate within human geography and the
553 social sciences is far beyond the scope of this discussion, but it is sufficient to note that a
554 significant body of work questions the capacity of modelling techniques or even
555 institutional theories to effectively explain the complexity of contemporary economic
556 processes and outcomes. A (reinvigorated) interest in practice is in part precisely a
557 response to dissatisfaction with the both the scale of generalization and validity of causal
558 explanations (c.f. Sunley 2008) that other strands of economic geography lay claims to.
559 Whilst as Yeung (2003) acknowledges, there are significant methodological challenges
560 that face economic geographers with respect to developing effective methodological
561 frameworks that enable the development of theoretical generalizations and higher level
562 concepts, we do not see this as an impossible task, and suggest that critiques of practice-
563 oriented research - particularly those associated with its relational aspects - do not
564 succeed in discrediting the value of a practice-oriented approach.

565 Consequently, given the complexity of the global economy, it seems likely that
566 economic geographers will be increasingly interested in practice-oriented research as a
567 means to develop more effective theories of economic action. In this respect, we think
568 that practice-oriented research should be viewed as a significant field of economic
569 geographic research that complements rather than competes with others. It is not a
570 question of whether the sub-discipline ‘turns’ to be focused on one methodology, scale or
571 dimensions of economic activity or another, but whether it has the capacity to develop
572 better and more sophisticated theories. In that sense, recent practice-oriented economic
573 geography has made, and will continue to make, significant contributions.

574

575

576 **7 REFERENCES**

- 577 Adler, P. S. and Kwon, S. W. (2002) Social capital: Prospects for a new concept.
578 *Academy of Management Review*, 27(1), 17-40.
- 579 Allen, J. (1997) Economies of Power and Space. *Geographies of Economies* (ed. by R.
580 Lee and Jane Wills), pp. 59-70. Arnold, London.
- 581 Allen, J. (2003) *Lost Geographies of Power*. (Oxford: Blackwell)
- 582 Amin, A. (1999) An Institutional Perspective on Regional Economic Development.
583 *International Journal of Urban and Regional Research*, 23(2), 365-378.
- 584 Amin, A. (2002) Spatialities of globalisation. *Environment and Planning A*, 34(3), 385-
585 399.
- 586 Amin, A. and Cohendet, P. (2004) *Architectures of Knowledge: Firms, Capabilities, and*
587 *Communities*. Oxford University Press, Oxford.

588 Amin, A. and Graham, S. (1997) The ordinary city. *Transactions of the Institute of*
589 *British Geographers*, 22(4), 411-429.

590 Amin, A. and Roberts, J. (2008) Knowing in action: Beyond communities of practice.
591 *Research Policy*, 37(2), 353-369.

592 Bakhtin, M. M. and Holquist, J. M. (1981) *The dialogic imagination: four essays*.
593 University of Texas Press, Austin.

594 Bathelt, H. (2006) Geographies of production: growth regimes in spatial perspective 3 –
595 toward a relational view of economic action and policy. *Progress in Human Geography*,
596 30(2), 223-236.

597 Bathelt, H. and Glückler, J. (2003) Toward a relational economic geography. *Journal of*
598 *Economic Geography*, 3(2), 117-144.

599 Bathelt, H., Malmberg, A., and Maskell, P. (2004) Clusters and knowledge: local buzz,
600 global pipelines and the process of knowledge creation. *Progress in Human Geography*,
601 28(1), 31-56.

602 Beaverstock, J. (2004) ‘Managing across borders’: knowledge management and
603 expatriation in professional legal service firms. *Journal of Economic Geography* 4: 1-25

604 Borgatti, S. P. and Cross, R. (2003) A relational view of information seeking and learning
605 in social networks. *Management Science*, 49(4), 432-445.

606 Boschma, R. A. and Frenken, K. (2006) Why is economic geography not an evolutionary
607 science? Towards an evolutionary economic geography. *Journal of Economic*
608 *Geography*, 6(3), 273-302.

609 Boschma, R. A. and Lambooy, J. G. (1999) Evolutionary economics and economic
610 geography. *Journal of Evolutionary Economics*, 9(4), 411-429.

611 Bourdieu, P. (1977) *Outline of a Theory of Practice*. Cambridge University Press,
612 Cambridge, UK.

613 Brown, J. & Duguid, P. (2001) Knowledge and Organization: A Social-Practice
614 Perspective *Organization Science* 12, 2: 198-213

615 Braun, B. (2005) Building global institutions: The diffusion of management standards
616 in the world economy - an institutional perspective. *Linking Industries Across the World:
617 Processes of Global Networking* (ed. by C. G. Alvstam and E. W. Schamp), pp. 3-27.
618 Ashgate, Aldershot.

619 Bruun, H. and Langlais, R. (2003) On the embodied nature of action. *Acta Sociologica*,
620 46(1), 31-49.

621 Bulkeley, H. (2006) Urban sustainability: Learning from best practice? *Environment and
622 Planning A*, 38(6), 1029-1044.

623 Callon, M. (1986) Some elements of a sociology of translation: domestication of the
624 scallops and the fishermen of St Brieuc Bay. *Power, action, and belief: a new sociology
625 of knowledge?* (ed. by J. Law), pp. 196-233. Routledge & Kegan Paul, London.

626 Callon, M., Meadel, C., and Rabeharisoa, V. (2002) The economy of qualities. *Economy
627 and Society*, 31(2), 194-217.

628 Castellacci, F. (2006) A critical realist interpretation of evolutionary growth theorising.
629 *Cambridge Journal of Economics*, 30(6), 861-880.

630 Clarke, N., Barnett, C., Cloke, P., and Malpass, A. (2007) Globalising the consumer:
631 Doing politics in an ethical register. *Political Geography*, 26(3), 231-249.

632 Coe, N. M., Hess, M., Yeung, H. W., Dicken, P., and Henderson, J. (2004) 'Globalizing'
633 regional development: a global production networks perspective. *Transactions of the*
634 *Institute of British Geographers*, 29(4), 468-484.

635 Crang, P. (1997) 'Introduction: cultural turns and the (re)constitution of economic
636 geography', in R. Lee and J. Wills (eds), *Geographies of Economies*. London: Arnold, 3-
637 15.

638 Darr, A. and Talmud, I. (2003) The structure of knowledge and seller-buyer networks in
639 markets for emergent technologies. *Organization Studies*, 24(3), 443-461.

640 De Certeau, M (1984) *The Practice of Everyday Life*. University of California Press:
641 Berkeley, CA

642 Dicken, P. & Malmberg, A. (2001) Firms in territories: a relational perspective.
643 *Economic Geography* 77: 345-364

644 Dicken, P., Kelly, P. F., Olds, K., and Yeung, H. W. (2001) Chains and Networks,
645 Territories and Scales: Towards a Relational Framework for Analyzing the Global
646 Economy. *Global Networks*, 1(2), 89-112.

647 Downward, P. and Mearman, A. (2007) Retroduction as mixed-methods triangulation in
648 economic research: reorienting economics into social science. *Cambridge Journal of*
649 *Economics*, 31(1), 77-99.

650 Emirbayer, M. (1997) Manifesto for a Relational Sociology. *American Journal of*
651 *Sociology*, 103(2), 281-317.

652 Ettliger, N. (2003) Cultural economic geography and a relational and microspace
653 approach to trusts, rationalities, networks, and change in collaborative workplaces.
654 *Journal of Economic Geography*, 3(2), 145-171.

655 Faulconbridge, J. R. (2006) Stretching tacit knowledge beyond a local fix? Global spaces
656 of learning in advertising professional service firms. *Journal of Economic Geography*,
657 6(4), 517-540.

658 Faulconbridge, J. R. (2007) Managing the transnational law firm: a relational analysis of
659 professional systems, embedded actors and time-space sensitive governance. *Economic*
660 *Geography*, 84, 2: 185-210

661 Faulconbridge, J. R. (2008) Negotiating cultures of work in transnational law firms.
662 *Journal of Economic Geography*, 8, 4: 497-571

663 Foucault, M.(1991) 'Governmentality', trans. Rosi Braidotti and revised by Colin Gordon,
664 in G. Burchell, C. Gordon and P. Miller (eds) *The Foucault Effect: Studies in*
665 *Governmentality*, pp. 87–104. Chicago, IL: University of Chicago Press.

666 Foucault, M. (1997) *Ethics: Subjectivity and Truth*, edited by Paul Rabinow, New York:
667 New Press.

668 Frenken, K. and R.A. Boschma (2007). A theoretical framework for evolutionary
669 economic geography: industrial dynamics and urban growth as a branching process.
670 *Journal of Economic Geography*, 7, 5: 635-649.

671 Garfinkel, H. (1967) *Studies in ethnomethodology*. Prentice-Hall, Englewood Cliffs, N.J.

672 Gertler, M. (2001) Best Practice? Geography, Learning and The Institutional Limits to
673 Strong Convergence. *Journal of Economic Geography*, 1(1), 5-26.

674 Gertler, M. S. (2003) Tacit knowledge and the economic geography of context, or The
675 undefinable tacitness of being (there). *Journal of Economic Geography*, 3(1), 75-99.

676 Gertler, M. (2004) *Manufacturing Culture: the institutional geography of industrial*
677 *practice*. Oxford: OUP

678 Gibson-Graham, J.K. (1996) *The End of Capitalism (as We Knew It): a feminist critique*
679 *of political economy*. Minneapolis: University of Minnesota Press

680 Gibson-Graham, J. K. (2008) Diverse economies: performative practices for 'other
681 worlds'. *Progress in Human Geography*, 32(5), 613-632.

682 Giddens, A. (1979) *Central Problems in Social Theory: Action, Structure and*
683 *Contradiction in Social Analysis*. University of California Press, Berkeley, USA.

684 Glückler, J. (2005) Making embeddedness work: social practice institutions in foreign
685 consulting markets. *Environment and Planning A*, 37(10), 1727-1750.

686 Goffman, E. (1959) *The presentation of self in everyday life*, 1973 edn. Overlook Press,
687 Woodstock, NY.

688 Goffman, E. (1974) *Frame analysis: an essay on the organization of experience*.
689 Harvard University Press, Cambridge.

690 Grabher, G. (2006) Trading routes, bypasses, and risky intersections: mapping the travels
691 of 'networks' between economic sociology and economic geography. *Progress in Human*
692 *Geography*, 30(2), 163-189.

693 Gregson N. and L. Crewe. (2003) *Second Hand Cultures* Oxford: Berg

694 Habermas, J. (1984) *The Theory of Communicative Action: Volume 1: Reason and*
695 *Rationalization of Society*. Beacon Press, Boston.

696 Hall, S. (2006) What counts? Exploring the production of quantitative financial narratives
697 in London's corporate finance industry. *Journal of Economic Geography*, 6(5), 661-678.

698 Hall, S. (2008) Geographies of business education: MBA programmes, reflexive business
699 schools and the cultural circuit of capital. *Transactions of the Institute of British*
700 *Geographers*, 33(1), 27-41.

701 Hess, M. (2004) 'Spatial' relationships? Towards a reconceptualisation of embeddedness
702 *Progress in Human Geography* 28, 2: 165-186

703 Hodgson, G. M. (1999) *Evolution and institutions: on evolutionary economics and the*
704 *evolution of economics*. E. Elgar, Cheltenham, UK.

705 Hudson, R. (2004) Conceptualizing economies and their geographies: spaces, flows and
706 circuits. *Progress in Human Geography*, 28(4), 447-471.

707 Hughes, A. (2001) Global commodity networks, ethical trade and governmentality:
708 Organizing business responsibility in the Kenyan cut flower industry. *Transactions of the*
709 *Institute of British Geographers*, 26(4), 390-406.

710 James, A. (2006) Critical moments in the production of 'rigorous' and 'relevant' cultural
711 economic geographies. *Progress in Human Geography*, 30(3), 289-308.

712 James, A and Vira, B. (2009). 'Unionising' the new spaces of the new economy?
713 *Alternative labour organising in India's ITES-BPO industry. Geoforum*.

714 Jones, A. (2003) Management Consultancy and Banking in an Era of Globalization.
715 (Basingstoke: Palgrave Macmillan).

716 Jones, A. (2005) Truly Global Corporations? the politics of organizational globalization
717 in business-service firms', *Journal of Economic Geography* 5: 177-200

718 Jones, A. (2007) More than 'managing across borders?' the complex role of face-to-face
719 interaction in globalizing law firms. *Journal of Economic Geography*, 7(3), 223-246.

720 Jones, A. (2008) Beyond embeddedness: economic practices and the invisible dimensions
721 of transnational business activity. *Progress in Human Geography*, 32(1), 71-88.

722 Jones, M. (2009) Phase space: geography, relational thinking, and beyond. *Progress in*
723 *Human Geography* 33(4), 487-506.

724 Kemp, R., Schot, J., and Hoogma, R. (1998) Regime shifts to sustainability through
725 processes of niche formation. The approach of strategic niche management. *Technology*
726 *Analysis and Strategic Management*, 10(2), 175-195.

727 Knorr Cetina, K. and Bruegger, U. (2002) Global microstructures: The virtual societies of
728 financial markets. *American Journal of Sociology*, 107(4), 905-950.

729 Lall, S. (1993) Understanding technology development. *Development & Change*, 24(4),
730 719-753.

731 Langley, P. (2006) The making of investor subjects in Anglo-American pensions.
732 *Environment and Planning D: Society and Space*, 24(6), 919-934.

733 Larner, W. (2002) Globalization, governmentality and expertise: Creating a call centre
734 labour force. *Review of International Political Economy*, 9(4), 650-674.

- 735 Larner, W. (2005) Neoliberalism in (regional) theory and practice: The stronger
736 communities action fund in New Zealand. *Geographical Research*, 43(1), 9-18.
- 737 Latour, B. (2005) *Reassembling the Social*. OUP; Oxford
- 738 Law, J. (1994) *Organizing Modernity*. Blackwell, Oxford.
- 739 Law, J. (1992) Notes on the Theory of the Actor Network - Ordering, Strategy, and
740 Heterogeneity. *Systems Practice*, 5(4), 379-393.
- 741 Lawson, T. (1997) *Economics and Reality*. Routledge, London.
- 742 Lee, R. (2002) 'Nice maps, shame about the theory'? Thinking geographically about the
743 economic. *Progress in Human Geography*, 26(3), 333-355.
- 744 Lee, R. (2006) The ordinary economy: Tangled up in values and geography. *Transactions*
745 *of the Institute of British Geographers*, 31(4), 413-432.
- 746 Lee, R., Leyshon, A., and Smith, A. (2008) Rethinking economies/economic geographies.
747 *Geoforum* 39(3), 1111-1115.
- 748 MacKinnon, D. (2000) Managerialism, governmentality and the state: A neo-Foucauldian
749 approach to local economic governance. *Political Geography*, 19(3), 293-314.
- 750 Markusen, A. (1999) Fuzzy concepts, scanty evidence, policy distance: The case for
751 rigour and policy relevance in critical regional studies. *Regional Studies*, 33(9), 869-884.
- 752 Maskell, P. and Malmberg, A. (1999) Localized Learning and Industrial Competitiveness.
753 *Cambridge Journal of Economics*, 23 167-185.

754 McDowell, L. (1994) The Transformation of Cultural Geography' in D. Gregory, R.
755 Martin & G. Smith (eds.) *Human Geography: Society Space and Social Science*.
756 (Basingstoke: Macmillan) 146-73

757 Murdoch, J. (2004) Putting discourse in its place: Planning, sustainability and the urban
758 capacity study. *Area*, 36(1), 50-58.

759 Murphy, J. T. (2002) Networks, Trust, and Innovation in Tanzania's Manufacturing
760 Sector. *World Development*, 30(4), 591-619.

761 Murphy, J. T. (2003) Social Space and Industrial Development in East Africa:
762 Deconstructing the Logics of Industry Networks in Mwanza, Tanzania. *Journal of*
763 *Economic Geography*, 3(2), 173-198.

764 Murphy, J. T. (2006) Building trust in economic space. *Progress in Human Geography*,
765 30(4), 427-450.

766 Murphy, J. T. (2007) The Challenge of Upgrading in African Industries: Socio-Spatial
767 Factors and the Urban Environment in Mwanza, Tanzania. *World Development*, 35(10),
768 1754-1778.

769 Nelson, R. R. and Winter, S. G. (1982) *An evolutionary theory of economic change*.
770 Belknap Press of Harvard University Press, Cambridge, Mass.

771 North, P. (2007) *Money and liberation: the micropolitics of alternative currency*
772 *movements* . University of Minnesota Press, Minneapolis.

773 Olsen, WK. (2004) Triangulation in social research: qualitative and quantitative methods
774 can really be mixed. *Developments in Sociology: An Annual Review* (ed. by M. Holborn),
775 Causeway Press, Ormskirk, UK.

776 Overman, H. G. (2004) Can we learn anything from economic geography proper?
777 *Journal of Economic Geography*, 4(5), 501-516.

778 Pacione, M. (1997) Local exchange trading systems as a response to the globalisation of
779 capitalism. *Urban Studies* 34(8), 1179-1199

780 Pain, K. (2008) Spaces of practice in advanced business services: rethinking London -
781 Frankfurt relations. *Environment and Planning D: Society and Space*, 26(2), 264-279.

782 Palmer, M. and O'Kane, P. (2007) Strategy as practice: interactive governance spaces and
783 the corporate strategies of retail transnationals. *Journal of Economic Geography*, 7(4),
784 515-535.

785 Peck, J. (2005) Economic Sociologies in Space. *Economic Geography*, 81(2), 129-175.

786 Polanyi, M. (1967) *The Tacit Dimension*. Anchor Books, New York.

787 Pollard, J. and Samers, M. (2007) Islamic banking and finance: Postcolonial political
788 economy and the decentring of economic geography. *Transactions of the Institute of*
789 *British Geographers*, 32(3), 313-330.

790 Raco, M. (2003) Governmentality, subject-building, and the discourses and practices of
791 devolution in the UK. *Transactions of the Institute of British Geographers*, 28(1), 75-95.

792 Reckwitz, A. (2002) Toward a Theory of Social Practices: A Development in Culturalist
793 Theorizing. *European Journal of Social Theory*, 5(2), 243-263.

794 Rock, M., Murphy, J. T., Rasiah, R., van Seters, P. and S. Managi (2009) A hard slog, not
795 a leap frog: Globalization and sustainability transitions in developing Asia. *Technological*
796 *Forecasting and Social Change*, 76(2), 241-254.

- 797 Rose, N. (1996) *Inventing Our Selves*. Cambridge: Cambridge University Press
- 798 Rose-Redwood, R. S. (2006) Governmentality, geography, and the geo-coded world.
799 *Progress in Human Geography*, 30(4), 469-486.
- 800 Ruttan, V. (2001) *Technology, Growth, and Development*. Oxford University Press, New
801 York.
- 802 Schutz, A. (1967) *The phenomenology of the social world*. Northwestern University
803 Press, Evanston, Ill.
- 804 Scott, W. R. (1995) *Institutions and Organizations*. Sage Publications, Thousand Oaks,
805 USA.
- 806 Sheppard, E. (2002) The spaces and times of globalization: Place, scale, networks, and
807 positionality. *Economic Geography*, 78(3), 307-330.
- 808 Sokol, M (2007) 'Space of flows, uneven regional development and the geography of
809 financial services in Ireland'. *Growth and Change*, Vol. 38, No. 2, June 2007, pp.224-
810 259.
- 811 Smith, A. (2002) Culture/Economy and spaces of economic practice: Positioning
812 households in post-Communism" *Transactions of the Institute of British Geographers*.
813 27(2), 232-25
- 814 Smith, A. (2003) Power relations, industrial clusters, and regional transformations: Pan-
815 European integration and outward processing in the Slovak clothing industry. *Economic*
816 *Geography*, 79(1), 17-40.

817 Smith, A. and Rochovská, A. (2007) Domesticating neo-liberalism: Everyday lives and
818 the geographies of post-socialist transformations. *Geoforum*, 38(6), 1163-1178.

819 Smith, A. and Stenning, A. (2006) Beyond household economies: Articulations and
820 spaces of economic practice in postsocialism. *Progress in Human Geography*, 30(2), 190-
821 213.

822 Storper, M. (1995) Territorial Development in the Global Learning Economy. *Review of*
823 *the International Political Economy*, 2(3), 394-424.

824 Storper, M. and Salais, R. (1997) *Worlds of Production: The Action Frameworks of the*
825 *Economy*. Harvard University Press, Cambridge, USA.

826 Sunley, P. (2008) Relational Economic Geography: A Partial Understanding or a New
827 Paradigm? *Economic Geography*, 84(1), 1-26.

828 Thrift, N. J. (2000) 'Performing cultures in the new economy', *Annals, Association of*
829 Tickell, A., Sheppard, E., Peck, J., and Barnes T. (eds) (2007) *Politics and Practice in*
830 *Economic Geography*. London: Sage.

831 Traub-Werner, M. (2007) Free trade: A governmentality approach. *Environment and*
832 *Planning A*, 39(6), 1441-1456.

833 Truffer, B. (2008) Society, technology, and region: contributions from the social study of
834 technology to economic geography. *Environment and Planning A*, 40, 966-985.

835 Weller, S. (2006) The embeddedness of global production networks: The impact of crisis
836 in Fiji's garment export sector. *Environment and Planning A*, 38(7), 1249-1267.

- 837 Wenger, E. (1998) *Communities of Practice: Learning, Meaning and Identity*.
838 Cambridge University Press, Cambridge.
- 839 Wilson, G. (2006) Beyond the technocrat? The professional expert in development
840 practice. *Development and Change*, 37(3), 501-523.
- 841 Wiskerke J.S.C. (2003) On promising niches and constraining sociotechnical regimes: the
842 case of Dutch wheat and bread. *Environment and Planning A*, 35(3), 429 – 448.
- 843 Wood, A. & Valler D. (2001) Turn Again? Rethinking Institutions and the Governance
844 of Local and regional Economies. *Environment and Planning A*, 33 1139-1144.
- 845 Yeung, H. W. (2001) Regulating 'the Firm' and Sociocultural Practices in Industrial
846 Geography II. *Progress in Human Geography*, 25(2), 293-302.
- 847 Yeung, H. W. C. (2003) Practicing new economic geographies: A methodological
848 examination. *Annals of the Association of American Geographers*, 93(2), 442-462.
- 849 Yeung, H. W. (2005a) Rethinking relational economic geography. *Transactions of the*
850 *Institute of British Geographers*, 30(1), 37-51.
- 851 Yeung, H. W. C. (2005b) The Firm as Social Networks: An Organisational Perspective.
852 *Growth and Change*, 36(3), 307-328.
- 853 Yeung, H. W. (2009) Transnationalizing entrepreneurship: a critical agenda for economic
854 geography. *Progress in Human Geography*, 33(2), 210-235.