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Making Home Work Places

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Abstract. This exploratory paper makes the case for deepening and expanding CSCW research on how knowledge and digital professionals work at home. The steady rise of flexible and ‘mobile’ working policies and burgeoning of freelance work and solo entrepreneurs, means that working from home is now commonplace. Yet, there is a dearth of investigations in relation to how people make working from home ‘work’. In response to this gap, this paper focuses on how homes become sites of complex coordination and negotiation for those people who use them as workplaces. In particular, the paper reviews the relevant literature and shows how it frames debates about working from home. Additionally, it opens up a set of research questions which should be urgently tackled. We argue that CSCW research needs to attend more closely to those intricate *emplaced* negotiations and coordination efforts that occur at home, not only to collaborate remotely with colleagues and clients, but also in relation to the more ‘intimate’ relationships of households families, as well as how both sets of relationships are shaped by the spatial and environmental organisation of the home as a shared space for most.

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Introduction: Flexible Work and Place Making

While ‘telework’ or ‘remote work’ have been practices supported by employers for decades (Olson, 1989; Olson and Primps, 1984; Lozano, 1989; Kraut, 1989; Huws et al, 1990; Habib and Cornford 1996; Orlikowski and Barley, 2001; Hardill and Green, 2003), the sharp increase and take-up of flexible work policies in many organisations as well as of people working independently (freelancers, consultants, etc) means that the number of professionals regularly working from their homes is growing.¹ It is also likely that the Covid-19 pandemic, which has already shifted working patterns into the home as employers are forced to embrace remote working, might bring about a reluctance to return to the office when the closures are lifted.

Digital technologies and infrastructures have long been marketed to companies and entrepreneurs as easy solutions to support work ‘anywhere, anytime’ (Perry et al, 2001; Sørensen, 2013), including domestic spaces. However, critiques of the promises and actual role of technology in such set-ups show that these forms of work carry their own challenges and require extensive (and often invisible) second-order work in order to happen (Bannon, 1995; Star and Strauss, 1999; Olson and Olson, 2000; Perry, 2007; Erickson and Jarrahi, 2016). Enabling and supporting work away from offices and other institutional spaces is not just about designing digital technologies to replace those aspects of co-located work that are lost or diminished (such as social interaction with colleagues), for example, via ‘telepresence’ mechanisms (Takayama et al, 2012), or remote activity monitoring within teams (Vuolle, 2010). Rather, it is about understanding how workplaces emerge in and through practices of negotiation and coordination in various environments (Felstead, 2005, Erickson et al., 2014; de Carvalho et al., 2017).

CSCW research on mobility and nomadicity, and related research in organizational studies, sociology of work, mobilities and science and technology studies, have highlighted and detailed the practices of establishing temporary (and often fleeting) workspaces, of maintaining a range of such workspaces, and therefore of managing a complex constellation of environments, (digital) resources and relationships in their interconnection to locations and work

¹ Although *telework* and *remote work* are labels often used interchangeably (Schall, 2019), slight conceptual differences between the terms may be noted. The former assumes a key role of information and communication technologies to enable work away from an institutional workplace (Nilles, 1994); the latter focuses on the physical distance from the workplace (Daniels et al., 2001). Remote work, as portrayed in the literature, also seems to refer to greater physical distance between the workers and the workplace, which could make it difficult for workers to commute. Remote work can also refer to a temporary configuration of work – for example, when a person is on a business trip. Telework refers to a more stable arrangement, where work occurs mainly away from the workplace, with only occasional in-person presence (Daniels et al., 2001). Telework has been also strongly associated with the idea of working from home, and this is possibly due to the connection between telework and *telecommuting*, which refers more specifically to the practice of drawing on telework and remote work to decrease commuting time (Schall, 2019).

practices (de Carvalho, 2014; Erickson et al 2014; Rossitto et al, 2014). These extend from the ‘mobilization work’ of configuring temporary workplaces as part of short and long distance physical mobility (Perry, 2007), to the ‘meta-work’ of maintaining infrastructural and practice stability and flow among the disruptions and fragmentations of unsettled workspaces (Mark, 2015).

From this body of scholarship, it is clear that place is very much a concern for these workers (Brown and O’Hara, 2003; Ciolfi and de Carvalho, 2014; Rossitto et al, 2014), and that understanding place making is essential to comprehending their accomplishment of work. For example, practices such as *officing* (Humphry, 2014) embody those efforts of actively configuring environments, resources and the professional self in context. Liegl (2014) unpacks the ‘care of place’ that mobile workers practice in making workplaces, including their concern for aesthetics and atmosphere in cultivating productivity and creativity (Pink and Leder Mackley, 2006). Because place experience has a social dimension, place making in the context of flexible work is also about maintaining interpersonal relationships with people who are co-located but not colleagues as, for example, in co-working spaces (Spinuzzi, 2012; Swezey and Vertesi, 2019). In such places individual workstations are configured relationally in support of visibility, connectivity as well as in unique and individualised ways to ensure comfort, efficiency and productivity (Mazmanian, Orlikowski and Yates, 2013). While their work practices are mobilised, flexible workers rely on ‘moorings’ (Hannam, Sheller and Urry, 2006) and the creation of ‘holding environments’ (Petriglieri et al 2019) to identify and establish bonds, which in turn help them to configure a frame and steady context for their flexible and fluid practices.

The constant reconfiguration of places (through practices, artefacts and relationships as these intersect with time and identities) underpins contemporary mobile and nomadic knowledge work (Gray, Ciolfi and De Carvalho, 2020).² These efforts in making work happen in ‘flexible’ workplaces include the configuration and use of digital tools and infrastructures.

Space, place and place making have been studied in CSCW and related disciplines in terms of how environments are lived and experienced by human actors (Brewer & Dourish, 2008; Brown & O’Hara, 2003; Ciolfi and de Carvalho, 2014; Liegl, 2014; Rossitto et al 2014). However, this body of work needs to be extended to consider place and place making as relational assemblages of

² As with telework and remote work, the terms *mobile* and *nomadic work* have also been recurrently used interchangeably in the literature (Ciolfi and de Carvalho, 2014). Nevertheless, we, like many other authors, think it is important to differentiate between them, as this has some conceptual and theoretical implications (Rossitto, 2009). We use the term mobile work to refer to work involving movement for or during the accomplishment of productive activities. Theoretically, these movements could be both physical or digital – like in telecommuting. Nomadic work, on the other hand, refers to work involving the colonisation of different locations from time to time, depending on the resources that they (de Carvalho, 2014; Rossitto et al., 2014; Erickson et al., 2014; Gray et al., 2020).

material, social and experiential elements (Malpas, 2012; Pierce, Martin, & Murphy, 2011). We argue for the need to approach mobile and nomadic work as a process of placemaking – where places emerge as ‘bundles’ of space-time configurations as well as values, emotions, and relationships, also in relation to other places and in relation to movement (Frello, 2008; Massey, 2005). These *place bundles* are socially negotiated and contingent (Kabachnik, 2012): ‘temporary constellations’ (Massey, 2005, p. 141) with purpose and meaning that, however, may be reconfigured when viewed from other perspectives (Kabachnik, 2012, p. 5).

For the purposes of thinking of the home as a particular kind of place, we start with the view that place is a process, that emerges and is continuously made and remade in practice. This framing of place resonates with the CSCW agenda of understanding digitally-mediated, situated practices, and is particularly relevant to the making and remaking of homes as places of work (paid and unpaid), care, leisure, rest and social reproduction. In other words, understanding place and place making as processual (Frello, 2008; Kabachnik, 2012; Massey, 1993; Urry, 2007) rather than static and bounded, allows us to capture home work as a situated, relational, socially and often intimately negotiated practice. This also resonates with how the home as a place of work is related to other workplaces, people, infrastructures and resources.

While the study of mobile and flexible work is not limited to examining how homes are made and re-made as work places, an explicit focus on these practices would add novel and prescient contributions to this broader scholarship. This exploratory paper proposes two contributions to such research agenda: first, it identifies key findings in the existing literature on home work and points out specific gaps; second, it draws on original data collected by the authors over many years of empirical study of mobile work to propose important questions relating to the study of homes as relational, emergent and practiced work places. In the following section, we review key literature on work at home, highlighting some key contributions and gaps.

Homes as Work Places

Homes are places of work (social reproduction work, household work), but also the site of paid labour since pre-industrial times (Bishop, 1999; Christensen 1988). Certain lines of work, such as family farming (Leshed, Håkansson and Kaye, 2014), indeed remain bound to homesteads to this day. Besides paid labour, homes are also sites of other skilled activities: examples are personal finance management, healthcare appointments, supervising children’s homework, etc. (Steward, 2000; Verne and Bratteteig 2016). For yet other workers, their work

takes place in other people's homes, for example, the work of personal tutors and health professionals such as caregivers (Grönvall and Lundberg, 2014). Work in the home has strong gendered connotations, as care work has been long identified as 'women's work' and doing paid work at home has been seen as a way to reconcile the (material and emotional) needs for employment and for care (Hochschild, 1997).

In more recent times, the home has become a place for white collar, knowledge-intensive work, including work in IT and the digital and creative industries. This occurs via different arrangements: some people work entirely 'out of home' (Olson, 1989), and therefore professional offices are setup in the home to be primary workplaces for solo entrepreneurs, or freelancers or subcontractors (Lozano, 1989; Salazar, 2001; Thomson 2013). Others work from home in response to specific circumstances or on certain days (i.e. by virtue of their employer's support of flexible work). Finally, the home is where people who have offices or other designated places of work do 'supplemental', 'overflow' (usually unpaid) work (Kraut, 1989; Venkatesh and Vitalari, 1992) outside business hours, such as in the evenings or weekends (Olson, 1989; Salazar 2001; Venkatesh, 1996). Kraut terms these typologies of people, respectively, as *self-employed*, *substitutors* and *supplementers* (Kraut, 1989, p. 23).

Work at home 'under the conditions of independent contractor status (i.e., self-employment) is very different from work at home for a full-time employee, particularly if the employee is on full salary and benefits' (Olson, 1989, p. 322). Indeed, the different status of the worker and of the type of work done might either signify the freedom to choose the home as a preferred workplace for those privileged enough to be able to do it, or the constraints imposed by lack of opportunity or other obligations. Using one's home for work is in some cases the only option: this is the case, for example, for solo entrepreneurs starting up a business with limited resources, or for workers with care responsibilities that cannot be delegated. The 'home office' takes on different connotations based on the status of the worker and the work: from carefully designed, comfortable and highly connected, to makeshift, uncomfortable and relying on precarious (physical and digital) infrastructure.

Initially, white collar work at home was characterised as *telecommuting* or *telework*, thus constructing the home office as a 'virtual' extension of corporate premises, from where people could step into the corporate workplace by digital means. The use of ICTs for this kind of 'remote office work', particularly in the case of technologically skilled workers such as IT professionals, has been studied since the 1980s (Kraut, 1989; Olson and Primps, 1984; Venkatesh, 1996). The (optimistic) goal of these ICT systems was to connect the person to the corporate workplace and replicate management and control mechanisms typical of co-located workplaces, i.e. performance monitoring by managers, relationship

building between coworkers, etc. These early studies showed that the productivity of telecommuters seemed to be higher due to fewer interruptions and distractions, however home workers tended to earn less and progress less in their careers (Greengard, 1995). Becker and McClintock (1981) described this as the ‘mixed blessing’ of work at home: i.e. lower wages and slower careers, but more independence and productivity. A later study by Habib and Cornford (1996) highlighted concerns with working from home expressed in terms of job satisfaction, career progression, and physical health issues linked to a more sedentary lifestyle. The impact on family and household in terms of a more unbalanced work-life relationship was also reported by these professional workers. While individual-level studies focused on whether telecommuting and its blurring of the separation of work and home spaces and rhythms were beneficial or not to workers, their family members and their employers, organisational-level studies focused on the institutional issues arising from telecommuting, mainly with regard to monitoring workers and maintaining organizational culture outside the corporate workplace (Orlikowski and Barley, 2001).

Recent studies on the long-term impact of home working have shown that it has generated some benefits (i.e. enabling careers for women and those with care responsibilities), and that it is still linked to increased productivity (Halford 2005). However, home workers who are employed by companies also feel the pressure to demonstrate their worth and professional performance, and this can mean a tendency to overwork, particularly for women who might have to perform both paid and unpaid work in the home (Halford, 2005: 21). Indeed research on people who work exclusively at home has shown that work time becomes ‘task-based, rather than clock-based’ (Halford 2005: 27), meaning that they will work long hours and will have difficulties deciding when to end the working day (Steward 2000).

One of the downsides of work at home is that it may be an isolating experience for members of a distributed team (Takayama et al 2012; Pierce and St.Amant, 2011). Mechanisms for coordination and communication between remote workers have been studied and evaluated in depth by CSCW researchers (see for example Olson and Olson, 2014 and Nelson et al., 2017); the focus of this past work, however, is on how distributed teams achieve collaboration and coordination, rather than on the home workers’ own situatedness in relation not only to remote collaborators and environments, but to their immediate surroundings and social relations (Orlikowski, 2007).

Our review of the literature suggests that research on how home work is shaped by the (social, material and emotional) context in which it is done is scarce. Those who have focused on homes as workplaces beyond a concern solely with remote organisations and teams have begun to consider the individual

practices of how work is integrated into the spaces, routines and roles of everyday life (see Orlikowski and Barley 2001). Some studies have addressed how boundaries are set and configured to ‘carve’ work in a place that is designated for other aspects of life (Salazar 2001; Thomson 2013). Thomson (2013) identified how *physical*, *temporal* and *psychological* boundaries characterise the practices of making professional offices at home (Thomson 2013). Salazar articulated a ‘mandala’ of nested boundary categories that emerged from her study of home work, classified under macro-categories of *space*, *electronic*, *psychological*, *roles*, *time* and *working tasks*. The configuring of these boundaries has been identified as a way not only to define locations, times and moods for work at home, but also the relationships with other aspects of life at home.

This work echoes Nippert-Eng’s analysis of how people manage the fragmented boundaries between “doing” home and work, not just as locations, but as ‘realms of experience’ (Nippert-Eng, 1996). The complexity of establishing or managing boundaries is down to the need to constantly reflect on whether they work and how, leading to a constant process of boundary sculpting (Ciolfi and Lockley, 2018; Gray et al., 2017). Boundaries are also seen not only as defining mechanisms (e.g. work vs. personal spaces, busyness vs. rest, etc.), but as coping mechanisms to manage stress. Indeed, some research has argued that digital technology design can contribute to the setting and maintenance of healthy boundaries between realms of life to encourage digital wellbeing (Cox et al 2014; Cecchinato, 2014). In other types of entirely home-bound work such as family farming, boundaries between work and life are harder to establish and uphold; however, ‘soft’ boundaries are constantly sculpted and negotiated around space, time and roles in the home (Leshed, Håkansson and Kaye, 2014). Overall, setting these work-life boundaries is no easy feat, and the failure, or preference not to do so can generate additional stress and difficulties (Ciolfi & Lockley 2018; Gray, Ciolfi, de Carvalho, D’Andrea and Wixted, 2017).

Furthermore, the private and personal aspects of home can be even more closely entwined with professional or income generation activities: an example is network hospitality, whereby parts of the home are made available to paying guests (Lampinen, 2016). Another example is the *Hoffice* network (founded in Sweden in 2014), which facilitates the collective use of private homes as co-working spaces open to external people, according to an agreed code of practice (Rossitto and Lampinen, 2018). While initiatives such as *hoffice* provide lone workers with support and social mechanisms that they might not be able to access on their own, they introduce yet another aspect of fragmentation between realms of life within one’s home.

In her study of Australian ICT workers, Melissa Gregg (2011) has argued that ‘work’s intimacy’ is what characterizes these professions. Intimacy as a dimension of work, and also how digital technologies differently mediate this

sense of intimacy, is a main characteristic of home work: both in terms of how it is done (i.e. in intimate places, such as responding to emails in bed) and how it is communicated to peers and clients (i.e. intimacy of a relationship of constant contact and availability). Interestingly, Gregg (2011) also notes that the women participating in her study had home offices that were located more centrally in their houses, enabling them to monitor other ongoing activities (such as children). This further highlights the need to delve deeper into the ways in which homes are constantly made into place bundles assembling locations, material configurations, social relationships, and shared understandings.

Overall, there is considerable knowledge about the tasks of home work, its organizational and economic implications, the technologies that may be used in support of it, and the roles that individuals embody to accomplish home work and manage its definition and boundaries. However, we know much less about how homes are made and re-made as relational, processual places where routines, physical/digital infrastructures and tools, bodies, identities, values and understanding. We also need to learn more about how these continuously emerge in ever-evolving configurations at the juncture of paid labour, care work, personal life and leisure. CSCW is ideally placed to unpack in detail the spatial, temporal, infrastructural and relational practices in how collaboration and coordination occurs when working at home, and not limited to co-workers. From the earlier examples from the literature, we can also see that the role of technologies in this domain is multi-faceted: across all realms of a worklife, it is a matter of infrastructure, of cooperation, of productivity, of monitoring (and even surveillance), of identity definition and ‘identity work’ (Coupland and Spedale, 2020), of reputational management, and of boundary sculpting. Homes are constantly remade places in all these ways, and how this occurs needs unpacking.

Making Homes as Place Bundles: Some Empirical Insights and Open Issues

We now present some data excerpts that give a glimpse of how homes emerge as complex and relational *worklife* place bundles. These are intended to flag issues for further analysis and open up research themes for future empirical work. The excerpts are drawn from qualitative data collected as part of two extensive interview studies of mobile knowledge workers that we conducted in Ireland and the UK over the past number of years, and that involved a total of 74 people (36 women and 38 men) in knowledge-intensive professions. The participants were a mix of IT company employees (mainly software developers and development managers), independent workers in digital industries (web designers, social media managers, design freelancers, etc.), and academics (lecturers and researchers).

These two studies had the goal of unpacking practices of nomadic and flexible work and of work-life boundary sculpting, and therefore they were not limited in focus on capturing practices of work at home. However, as part of the wider themes of each study, participants gave first-person accounts of how their work takes place at home, therefore providing a rich body of data where homes emerge in their complexity of *worklife* places (Gray, Ciolfi & De Carvalho, 2020), as it is impossible to artificially separate work and life in the accounts of these participants.

The Home as Hybrid Place in the Making

The data portrays not only how boundaries are sculpted, but how homes emerge as hybrid places (de Souza e Silva 2006; Halford, 2005), personal/professional places characterised by complex second-order work of cooperation, coordination and negotiation in a physical and material context invested by diverse values and understandings.

To begin with, getting work ‘right’ is not straightforward at home, in the same way as it is not uncomplicated in other workplaces: it requires the right spatial arrangements and configurations, but also self-knowledge of how to be effective and productive. At home, it can be even more challenging to achieve this in an environment that might only be familiar, or set up to be comfortable, for non-professional tasks, and that has to be re-thought of in a new light - as the quote below by Noel (freelance designer) describes:

I never worked from home before (...) It’s a really hard thing to get used to (...) because the environment is incredibly important. I was in the box room and there is a little small bed and a tiny little desk and a really old laptop with keys and stuff missing on it and (...) it really frustrated me. (...) Every week I’d move things around in the room, whether I’m facing the window or away from the window to try and figure out (...) what way am I getting more stuff done. I’ve recently moved down into the sitting room which is much better because I used to be at the back of the house, which was always cold because the sun wasn’t shining in, so now I’m at the front of the house and it’s just a little bit more friendly and [with] more desk space, and the main thing is to get organised and just try and not lose focus during the day (Noel)

As Noel’s account indicates, a configuration that suits work in place is not fixed for long and not yet permanent, but always evolving, because the nature of work and its demands change too. This is also the case for Jill: ‘I don’t always kind of take off to the room [the home office] - that tends to be when I’m doing intensive work where I really need that kind of complete concentration’ (Jill).

Performing different tasks might mean ‘local’ mobility and movement within the home, rearranging resources and relational configurations to other spaces and people in the home in support of mood or demand. Achieving work at home is not

just about setting a boundary between a work-conducive space and the rest of the home, but actively seeking and practicing the right set-up at a particular moment while being mindful of ever-present hybridity that is perceived and managed in different ways.

When work starts and ends, and how work places are remade in light of this, are not just about setting boundaries: for example, Angela (a software development company owner) has designated one room in her home as only for work. The room is set apart from the rest of the house, so that work does not spill out into family space. Closing the door to that room in the evening signals Angela's decision to end of her working day, but she sometimes returns to her home office after finishing work if she needs to talk to her brother in Australia. However, to avoid the temptation to go back to work, she signs into Skype with a different account set up specifically for non-work conversations. She is in the same space, using the same technology but she actively makes the room the place for a family conversation with her brother. When she opens that door in the evening Angela uses the workaround of a separate account to avoid being drawn into work.

Locations in the home are hybridised to the extent that they are not always dedicated solely to professional purposes, sometimes by virtue of relative position and connectivity. Bob, a freelance consultant working entirely from home, has a permanent home office. However, it is the room nearest main entrance to the house so that it sometimes doubles up as 'holding place' for stuff that needs to be taken in and out, such as mail, packages and bags. While Bob does not mind this very much, he is very aware of the stuff stored in his office, and that this is unlikely to happen in a corporate office. This hybridisation of home work spaces is also the result of the various ways in which members of the household make these spaces work for themselves, and not just professionally.

Each home also becomes a configuration of space designations and relationships that need to be actively and actively made and understood as worklife shifts through time and routines. Lily (a start-up owner), has an external office, but she also has converted a room in her home into an office to work in on certain days:

The den...is a fantastic office but I'm kind of pushed out of there now because [the children] do their stuff in there and I tend to actually sit on a high table in the kitchen...is where all my work stuff is now, but yes that office [the den] is there. (Lily)

The home office is remade into a *den* as her children are using it for their own activities. Lily is pushed out of the office that she has designed and which she likes. Yet, it is also her children's den, and when that is the case then her work is displaced to the kitchen table.

Other workers don't have a designated home work room, or space, and much effort goes into creating one and taking it down every day, although it is not completely erased, but often just put aside. For example, Aoife (an academic) describes how every evening she removes all her work stuff from the kitchen table to make space for dinner with her husband: disconnecting her laptop, stacking papers and books, and moving everything to the floor nearby, and doing it all again when it is time to do some more work.

Worklife Negotiations in Place

These practices of re-making places and of re-imagining them for different activities and moods, of assembling and arranging interactions with place, devices and other people are not always smooth, or unproblematic. Making a temporary workplace (as in the kitchen table examples) also occurs in negotiation with family members, as a particular room, location, or corner, is used or can be used for other purposes. Different points in the home are co-constructed together and relationally, and often not without tension:

I've got my printer, fax machine, computer, all set up in there. So I would go down there, make myself a cup of coffee, head in and I'd usually start with checking the emails and then I might just check twitter...The kids get up and the rule is 'Mammy is working' so quite often I'll come in [the kitchen] and have a quick breakfast with them...and then...head back in. At least they've seen Mammy...My office is quite often used as a den in the evening because it's a smaller room and it's cosy and the chairs are closer to each other, so quite often [husband] might put a film on, animation or something...and there's a piano inside, [daughter] is learning the piano, so he might be doing the piano with her. (Sharon)

In Sharon's example, family life and work shift in relation to rooms and spaces of the home, but also in relation to their meaning. When Sharon is in the office, she is working and must not be disturbed. Going into the kitchen for breakfast means family time, however family activities also take place in the office (now den) in the evening.

Sharing a home with family members, interruptions and breaks can also be unexpected. In this case, they are not necessarily negative, but need management:

I'd be having office time while my wife has our daughter and the odd time...she might pop into the office with my daughter. And I sometimes could well do with just taking my head out and screaming before I get square eyes, and just chat with her for five or 10 minutes, that suits me fine too (Dean)

Dean is a start-up owner working solely at home. Having his wife and child around can mean interruptions, but also relief when he is overwhelmed or frustrated. While Dean's priority is getting work done, having his family in the

office shifts the emotional register in the place, and can mean a brief moment of support and rest. The management of shifting activities, boundaries and emotions linked to the home does not only refer to designated work spaces such as offices, but it can be ‘carried’ into the rest of the home:

Even if you're working for yourself and you have your own office space, there is a sense of when you physically close the door, you will still have things on your mind but there's a better sense of separation (...). Just walking from one room to another room doesn't really give you enough closure on the day to some extent. (Sharon)

Sharon describes the challenge of achieving mental distance from work when leaving her office. Sharon’s quote is also another example of how boundary sculpting is an ever-present practice in home work, in relation to configurations of work demands, family demands, temporal frames, and spatial arrangements. The substantial effort involved in making place bundles where work locations, environments and mobilities, and their interconnections, are identified, managed and appropriated deserves more attention in the study of the home as a workplace.

Managing Tensions and Conflicts at Home

Regarding tensions and possible conflicts, it is clear that the home is far from how it is often idealised as environment of rest and comfort (Bødker, 2016; Greengard, 2006; Hill, Ferris and Martinson, 2003). Sylvia (an academic) works at the breakfast bar in the kitchen in the evenings and her husband joins her with his own laptop:

We kind of just fell into it together. It could of course cause tensions...But we've got a breakfast bar in the kitchen (...) And we have a laptop on there. So we do have our laptops there constantly. And they can move around the house as we do (...). [Husband] is on the laptop as well cause you know he's checking football, and a bit of social media, newspapers ...More his own interests and sometimes if he's got a particular spreadsheet to sort out...but he is much better. He leaves and office and...He does a lot of hours, and when he leaves he can switch off. (Sylvia)

The tension between Sylvia and her husband is that he can do most of his work in his company’s office, while she ends up working in the kitchen almost every evening. Although they share a space to be together (the breakfast bar) and both use their laptops, Sylvia is not relaxing or pursuing non-work interests like her husband is, and the suggestion is that he is ‘much better’ at doing these things, although they occupy the space in almost identical ways and are close to each other.

Another example is that of Betty (a start-up owner), who has an office as part of a business accelerator centre, but does not use it often as she has a poor

relationship with the centre's director. Instead, Betty works mainly from her home, which also enables her to take care of her two young daughters:

I have a home office...which is kind of in the centre of the house...It's not a closed-off room, it's actually an open room on the second floor so I have full access to everything that is happening around the house...I mean I can switch off and switch on very easily from one thing to another. (Betty)

However, her business is not profitable yet, and Betty's husband is not very supportive of her. For Betty, her home is the right place to work on her business due to a previous conflict with the business centre's manager and in order to meet her childcare needs. However it is also the place of tensions with her husband and pressure to deliver on the business front and to care for their daughters: 'I do pretty much everything around here' (Betty). In all of these accounts, the practices and expectations of intimate others in the home are key factors in shaping the diverse and intricate ways in which the home is (re)made to facilitate work.

Conclusion

Our discussion of relevant studies, as well as our illustrative examples from two empirical studies point to the importance of addressing the home as a place of work in a relational and processual way. The different agencies across environments, artefacts, resources, technologies, relationships and meanings construct the home not as a static and bounded place, but as a *nexus of place bundles*: agentic and relational space-time trajectories drawn together by individuals through cognitive and emotional processes (Massey, 2005, p. 119), that are in a process of becoming, making and unmaking. The same rooms with the same technology can emerge differently into place configurations characterised by different relationships, understandings, practices and values in a short span of time, and interwoven with other trajectories occurring in other parts of the home.

In the exploratory discussion of data earlier in this paper, we highlighted four themes for further exploration: that homes are hybridised places and that this hybridity emerges and is perceived and recognised in different ways that nonetheless need to be managed and worked around; this entails active work of making and re-making home places. The relationality of home as a place bundle is not just due to individuals tending to work and life in the same environment, but to co-located (but also interactively shaped) spatialities, temporalities and understandings that need work to be negotiated – these are both one's own and other people's. Finally, homes can be the site of conflict and tensions that add additional layers to the work of place making in relation to both work and life:

this includes both ‘relationship management’ and ‘self management’. Different understanding of and relationships to the same location in the home create tensions that have to be managed – they are also perceived some members of the household and not by others.

Home work places emerge out of these processual bundles as ephemeral and impermanent, and as the result of constellations of agencies and understandings that alternatively shift and settle. Place bundles are also characterised by identity work in the home, as in the examples of Sharon and Betty: spaces where they work ebb and flow as do their identities, practices and routines as mothers and entrepreneurs. These identities are also perceived and recognised by others, and thus affect the way spaces in the home are understood.

Overall, the second-order work of making homes as work places is substantial and complex: previous research has illuminated some crucial aspects of it, particularly how home work relates to work in corporate spaces, and how boundaries of various kinds are set and configured to make work emerge in the home. However, there is a need to further unpack the nuanced practices of relational and processual place making that make home work ‘work’, and in turn make people feel ‘at home in the work’ (Petriglieri, 2019, p. 144). For all these reasons, conceptualising the home as a relational and processual place enlivened by these many trajectories can help grasp the complexities of work from home, and illuminate the nuanced ways in which digital tools and infrastructures can become entangled in emergent, sociomaterial, configurations of spaces and practices.

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