



Psychological Contracts

Jacqueline A-M. Coyle-Shapiro
and Marjo-Riitta Parzefall

The psychological contract has captured the attention of researchers as a framework for understanding the employment relationship. In terms of research, there has been an exponential growth in publications on the topic in the last 15 years (following the publication of Rousseau's 1989 article) giving the impression of a relatively new concept. Its introduction can however be traced to the 1960s. The concept developed in two main phases: its origins and early development covering the period 1958 to 1988, and from 1989 onwards. This chapter begins with a review of the initial phase in the development of the psychological contract highlighting the commonalities and differences amongst the early contributors. We then review Rousseau's (1989) reconceptualization of the psychological contract, as this has been very influential in guiding contemporary research. The two distinct phases in the development of the psychological contract have given rise to a number of key debates, which we discuss prior to outlining an agenda for future research.

HISTORICAL DEVELOPMENT OF THE PSYCHOLOGICAL CONTRACT

In tracing the development of the psychological contract, we focus on the seminal works of Argyris (1960), Levinson et al. (1962) and Schein (1965). We also review the work of Blau (1964) and Gouldner (1960) as these represent the foundational ideas of social exchange theory upon which subsequent theorizing on the psychological contract draws.

Classical early studies

Although Argyris (1960) was the first to coin the term 'psychological contract,' the idea of the employment relationship as an exchange can be traced to the writings of Barnard (1938) and March and Simon (1958). Barnard's (1938) theory of equilibrium posits that employees' continued participation depends upon adequate rewards from the organization. Here lies the idea of a reciprocal exchange underlying the

employee-organization relationship. This was elaborated upon by March and Simon (1958) in their inducements-contributions model. They argued that employees are satisfied when there is a greater difference between the inducements offered by the organization and the contributions they need to give in return. From the organization's perspective, employee contributions need to be sufficient to generate inducements from the organization, which in turn need to be attractive enough to elicit employee contributions. The work of March and Simon (1958) is rarely acknowledged in the psychological contract literature (Conway and Briner, 2005) but the idea of a reciprocal exchange bears a remarkable resemblance to a core tenet of the psychological contract.

Argyris (1960) viewed the psychological contract as an implicit understanding between a group of employees and their foreman, and argued that the relationship could develop in such a way that employees would exchange higher productivity and lower grievances in return for acceptable wages and job security (Taylor and Tekleab, 2004). Argyris (1960) believed that employees would perform at a higher level if the organization did not interfere too much with the employee group's norms and in return employees would respect the right of the organization to evolve. The defining characteristics of this first explicit conceptualization of the psychological contract viewed it as an exchange of tangible, specific and primarily economic resources agreed by the two parties that permitted the fulfillment of each party's needs.

Subsequently, Levinson et al. (1962) introduced a more elaborate conceptualization of the psychological contract that was heavily influenced by the work of Menninger (1958). Menninger (1958) suggested that in addition to tangible resources, contractual relationships also involve the exchange of intangibles. Furthermore, the exchange between the two parties needs to provide mutual satisfaction in order for the relationship to continue (Roehling, 1996). Levinson et al. (1962) based their definition of the psychological contract on the data they gathered in interviewing

874 employees who spoke of expectations that seemed to have an obligatory quality. They defined the psychological contract as comprising mutual expectations between an employee and the employer. These expectations may arise from unconscious motives and thus each party may not be aware of their own expectations let alone the expectations of the other party.

The findings of Levinson et al.'s (1962) study highlighted the role of reciprocity and the effect of anticipated satisfaction of expectations. Specifically, the emphasis on the fulfillment of needs created a relationship in which employees would try and fulfill the needs of the organization *if* the organization fulfilled the needs of employees. Thus, the employee and organization held strong expectations of each other and it was the anticipation of meeting those expectations that motivated the two parties to continue in that relationship. Taylor and Tekleab (2004) note that the work of Levinson et al. (1962) contributed to the conceptualization of the psychological contract in the following ways: the two parties in the contract are the individual employee and the organization represented by individual managers; the psychological contract covers complex issues – some expectations are widely shared, others are more individualized and the specificity of expectations may range from highly specific to very general; the psychological contract is subject to change as the parties negotiate changes in expectations that may arise from changes in circumstances or a more complete understanding of the contributions of the other party.

Although Schein's (1965) definition shares some similarities with Levinson et al. (1962), he placed considerable emphasis on the matching of expectations between the employee and organization. The matching of expectations and their fulfillment is crucial to attaining positive outcomes such as job satisfaction, commitment and performance. Consistent with this, Schein (1965) by implication highlighted the importance of understanding both the employee's as well as the employer's perspective. Schein went further than previous researchers in discussing how organizations

might express the organization's psychological contract through its culture.

Divergences amongst early contributors

The initial phase in the development of the psychological contract is marked by divergences between the early contributors. In particular, the work of Argyris (1960) stands apart in several ways. First, the psychological contract captures an implicit understanding of the exchange of tangible resources between employees and an organizational representative. As noted by Conway and Briner (2005), this view of the psychological contract was a simple although underdeveloped one. It is not clear, for example, how the implicit understanding developed and what it is based upon. Furthermore, Argyris (1960) presented the narrowest view of the psychological contract in terms of its focus on tangible resources. In contrast, Levinson et al. (1962) and Schein (1965) viewed the content of the exchange as including both tangible and intangible resources.

Second, although Schein (1965) and Levinson et al. (1962) conceptualized the psychological contract as encompassing expectations, Levinson et al. (1962) viewed these expectations as having an obligatory quality where the parties believe the other to be duty bound to fulfill those expectations. At the same time, however, Levinson et al. (1962) did not see these expectations as being based on promises but rather on needs (Conway and Briner, 2005). Schein's (1965) primary emphasis was on the matching of expectations between the employee and organization. The outcomes (positive or negative) of the psychological contract were contingent upon the degree to which the two parties were in agreement in terms of expectations and their fulfillment. In addition, Schein (1965) gave greater prominence to the organization's perspective and considered ways in which the organization could express the type of psychological contract it wished to develop. In fact, Schein's (1980: 99) subsequent position on the importance of considering both

perspectives is illustrated in the following: 'We cannot understand the psychological dynamics if we look only to the individual's motivations or only to the organizational conditions and practices. The two interact in a complex fashion that demands a systems approach, capable of handling interdependent phenomena.'

Thus, the early phase in the development of the psychological contract is marked by differing emphases and an absence of acknowledgment of how one conceptualization relates to prior work. This lack of cumulative work created ambiguities that come to the fore in terms of current debates in the field.

Social exchange as theoretical foundation of psychological contracts

Running parallel and independently to the early psychological contract work, the seminal works of Homans (1958), Blau (1964) and Gouldner (1960) characterized the beginnings of social exchange theory, and were themselves influenced by the earlier work of Mauss (1925) and Malinowski (1922). Homans (1958) provided a skeletal theory of exchange in the context of how individuals interacted within groups (Coyle-Shapiro and Conway, 2004) that was developed by Blau (1964). We focus on the work of Blau (1964) and Gouldner (1960) as, together, their work represents the foundational ideas of social exchange theory (for a more comprehensive review see Coyle-Shapiro and Conway, 2004; Cropanzano and Mitchell, 2005).

Blau (1964) differentiated social from economic exchange along a number of dimensions: specificity of obligations, time frame and the norm of reciprocity. In short, economic exchange is one in which the obligations of each party are specified typically in a formal contract, there is a mechanism in place to ensure fulfillment of those obligations and the exchange has a limited time frame. In contrast, social exchange involves unspecified obligations where one party needs to trust the other that the benefits received will

be reciprocated. The reciprocation of benefits enhances trustworthiness which in turn facilitates the ongoing conferring of benefits and discharging of obligations over the long term. In short, social exchange theory examines how social exchange relationships develop in engendering 'feelings of personal obligations, gratitude and trust' (Blau, 1964: 94). The exchange of economic and socio-emotional resources and the adherence to the norm of reciprocity play a critical role – the actions of one party contingent upon the reactions of the other and it is this contingent interplay that characterizes how social exchange has been applied to the employment relationship.

The norm of reciprocity plays an important role in the development of social exchange relationships by perpetuating the ongoing fulfillment of obligations and strengthening indebtedness. Gouldner (1960) argued that the norm of reciprocity is universal and that individuals should return help received and not injure those who have previously helped them. He distinguished between two types of reciprocity: heteromorphic and homeomorphic reciprocity. The former captures an exchange where the resources exchanged are different but equal in perceived value; the latter captures exchanges where the content or the circumstances under which things are exchanged are identical. Regarding how the norm of reciprocity operates, Gouldner (1960) argues that the strength of an obligation to repay is contingent upon the value of the benefit received – highly valued benefits create a stronger obligation to reciprocate.

The work on social exchange theory shares some common elements with psychological contract theory. First and foremost, both view exchange relationships as comprising tangible and intangible resources governed by the norm of reciprocity. Second, each party brings to the relationship a set of expectations/obligations that they will provide in return for what they receive. However, the other party to the exchange (i.e. the organization) received more explicit consideration by psychological contract researchers while the norm of reciprocity was more prominent

and theoretically refined by social exchange theorists.

RECENT RESEARCH

Rousseau's (1989) seminal article on the psychological contract is credited with reinvigorating research on the topic. We start by reviewing her definition and how it departed from earlier work. Three stands of contemporary research are presented: formation, content and breach of the psychological contract.

Rousseau's reconceptualization of the psychological contract

Rousseau's reconceptualization of the psychological contract signals a transition from the early work to what is now considered contemporary research. She defined the psychological contract as an individual's beliefs concerning the mutual obligations that exist between the individual and the employer. These obligations arise out of the belief that a promise has been made either explicitly or implicitly and the fulfillment of promissory obligations by one party is contingent upon the fulfillment of obligations by the other. Therefore, the psychological contract comprises an individual's perception of the mutual obligations that exist in the exchange with their employer and these are sustained through the norm of reciprocity.

This conceptualization differs from the early definitions in a number of ways. As Conway and Briner (2005) highlight, while the early work emphasized expectations, Rousseau defined the psychological contract in terms of obligations. This appears to be similar to what Levinson et al. (1962) had in mind in their use of expectations that had an obligatory quality which created a sense of duty to be fulfilled. The focus on obligations brings Rousseau's definition of the psychological contract very close to Blau's (1964) social exchange theory. However, although these researchers are conceptually close in capturing the nature

of the exchange, they diverge in terms of its development. Rousseau (1989) is perhaps the clearest in presenting obligations arising out of a perception that a promise has been made to commit to a future action. The idea of obligation based on promise is very different from Levinson et al.'s (1962) position that expectations arise from need. Blau (1964) remains more ambiguous in terms of how obligations arise except that they are based on benefits received. Whether these benefits are based on the donor's recognition of the recipient's needs or the donor's promises to provide benefits is unclear in Blau's (1964) work.

A second point of departure, in particular with the work of Schein (1965), who emphasized matching of expectations between the employee and organization, was Rousseau's (1989) emphasis on the psychological contract residing 'in the eye of the beholder.' The importance of the two parties having 'matched' expectations was downplayed by Rousseau (1989), who emphasized instead an individual's perception of agreement. Therefore, the psychological contract shifted from the contingent interplay between two parties' obligations in the exchange to an individual's perceptions of both parties' obligations in the exchange.

The emphasis on needs vs. promises has implications for the factors that shape the psychological contract. Given that Levinson et al. (1962) and Schein (1965) viewed expectations as arising from needs, the degree to which the other party can influence those needs is constrained and the critical element becomes the extent to which each party can fulfill those needs. In contrast, as Rousseau (1989) focuses on perceived promises, the organization's influence on an individual's psychological contract through explicit and implicit signals is much greater. However, the degree to which an organization can shape an individual's psychological contract is contingent to some extent on an individual's schema which serves to guide an individual's interpretations of obligations and allows an individual to operate in a loosely

pre-programmed unconscious manner until something out of the ordinary happens.

The distinguishing feature of Rousseau's (1989) reconceptualization of the psychological contract was locating it at the individual level. In doing so, it captured the psychological contract as a mental model of the exchange, which in turn influenced what an individual contributed to that relationship rather than as an agreed upon exchange between the employee and the organization. Consequently, Rousseau (1989) emphasized the 'psychological' in psychological contracts.

Contemporary research

Although a prominent strand of contemporary research has focused on the consequences of contract breach, two other strands of research merit attention: the formation of the psychological contract and its content.

Formation of the psychological contract

Rousseau (2001) proposed that psychological contracts are grounded in an individual's schema of the employment relationship. This schema develops early in life when individuals develop generalized values about reciprocity and hard work and these values are influenced by family, school, peer group and interactions with working individuals (Morrison and Robinson, 2004). Before an individual's first employment experience, they have developed assumptions about what they should give and receive in an employment relationship and it is this schema that influences how an individual interprets the cues and signals from the organization.

The socialization period seems to be particularly important in terms of organizational influence in shaping an individual's psychological contract. Once an individual's schema is fully formed, it becomes highly resistant to change; also during the early socialization period, newcomers are more inclined to search for additional information to 'complete' their psychological contract, thereby reducing uncertainty. Tekleab (2003) found that higher levels of socialization

reduced employee perceptions of employer obligations during the first three months of employment. Thomas and Anderson (1998) found that new army recruits adjusted their psychological contract over an eight-week period and this change was influenced by social information processing that 'moved' their psychological contract closer to that of experienced soldiers. DeVos et al. (2003) found that newcomers changed their perception of employer obligations based on the inducements they had received and also their perceptions of what they had promised based on what they had contributed. Dulac et al. (2006) showed that newcomer proactivity and socialization tactics were important in influencing newcomer evaluation of their psychological contract during the first year of employment.

Additional organizational influences include human and structural contract makers (Rousseau, 1995). Human contract makers (recruiters, managers and mentors) play an important role in communicating reciprocal obligations to employees and in particular, the line manager (Guest and Conway, 2000). Structural contract makers (human resource management practices) have been positively linked to the number of promises made to employees as perceived by managers. Notwithstanding organizational influences, individual factors still shape how individuals construe their psychological contract and how they enact contractual behavior. Raja et al. (2004) found that personality predicted psychological contract type, while Coyle-Shapiro and Neuman (2004) found that exchange related dispositions influenced employee reciprocation. Robinson et al. (1994) argue that self-serving biases cause individuals to over-estimate their contributions and under estimate the costs of the inducements to organizations.

Pre-employment experiences, individual dispositions and organizational influences play an important role in shaping the psychological contract in its formation stage. In contrast, there is little empirical research that examines how psychological contracts are changed. Once formed, psychological

contracts are quite stable and resistant to change (Coyle-Shapiro and Kessler, 2000; Rousseau, 2001), and we know little about the conditions under which psychological contracts are more amenable to change.

Content

In light of the subjective nature of the psychological contract, researchers have attempted to categorize psychological contract items (for example, job security, interesting work, career prospects, pay, training and developmental opportunities and autonomy in job) in terms of two underlying dimensions: transactional and relational. The distinction between the two draws upon the legal work of Macneil (1974, 1980) and also parallels Blau's (1964) distinction between economic and social exchange. Transactional and relational contracts can be differentiated based upon their focus, time frame, stability, scope and tangibility. Transactional contracts contain highly tangible exchanges that are economic in focus; the terms and conditions remain static over the finite period of the relationship and the scope of the contract is narrow. In contrast, relational contracts contain tangible and intangible exchanges; are open ended and the terms of the contract are dynamic; the scope may be broad in that there is spillover between an individual's work and their personal life.

The conceptual distinction between transactional and relational contracts is clear. Rousseau (1990) argues that they represent anchors on a continuum such that a psychological contract can become more relational and less transactional and vice versa. However, the empirical evidence is not so clear cut in terms of supporting the transactional-relational distinction. In interpreting the empirical findings, one should bear in mind that researchers have operationalized the psychological contract in terms of specific obligations and a features-based measurement approach may lend itself more easily to capturing the relational-transactional distinction. The key issue is the crossover of items (Taylor and Tekleab, 2004). For example, training may be a transactional

or relational item (Arnold, 1996) and one study supports training as an independent dimension (Coyle-Shapiro and Kessler, 2000). Attempting to classify psychological contract items into relational-transactional factors has not yielded consistent results.

An alternative approach captures the features of the psychological contract. O'Leary-Kelly and Schenk (2000) operationalized relational and transactional contracts in terms of four dimensions: focus, time frame, inclusion and stability using a 15 item measure. Sels et al. (2004) extended the number of dimensions to six to include:

- tangibility – the degree to which the terms of the psychological contract are explicitly specified;
- scope – the extent to which the boundary between work and personal life is permeable;
- stability – the extent to which the psychological contract is subject to change without negotiation;
- time frame – the perceived duration of the relationship;
- exchange symmetry – the extent to which the relationship is unequal; and
- contract level – the extent to which the contract is regulated at the individual or collective level.

These two studies provide empirical support linking the features of the psychological contract to outcomes. O'Leary-Kelly and Schenk (2000) found that relational contracts were negatively associated with intentions to leave the organization. Sels et al. (2004) did not classify their dimensions into relational and transactional contracts but nonetheless found that the dimensions of long-term time frame, an unequal employment relationship and a collective contract level were positively associated with affective commitment.

So, in light of the empirical evidence, the question needs to be raised as to whether the transactional-relational distinction matters? Rousseau (1990) found that relational employer obligations were associated with employee relational obligations (e.g., job security in return for loyalty) and transactional employer obligations were associated with transactional employee obligations

(e.g., high pay for high performance). These findings would support Gouldner's (1960) homeomorphic reciprocity in that the resources exchanged are similar. Together with the empirical evidence of the features based approach, the emerging conclusion is that the type of psychological contract matters in terms of defining the potential resources to be exchanged and the nature of those resources. The difficulty for researchers is how to best capture the transactional-relational distinction.

Consequences of contract breach and violation

A dominant emphasis of current research has focused on the consequences of perceived contract breach on employees' feelings, attitudes and behavior. This topic has attracted considerable research attention and, consistent with Rousseau's (1989) definition, this has been investigated from the employee perspective – when employees perceive that the organization has failed to fulfill its obligations. Employees experience contract breach quite frequently (Conway and Briner, 2002; Lester et al., 2002; Robinson and Rousseau, 1994). Coupled with its role in explaining the consequences of the psychological contract, it is not surprising that it has received considerable attention (see Robinson and Brown, 2004 for a review).

Researchers used psychological contract breach and violation interchangeably until Morrison and Robinson (1997) distinguished between the two in terms of cognition and emotion. Contract breach captures a cognitive awareness that one or more obligations have not been fulfilled and contract violation captures the emotional experience that arises from the recognition that a breach has occurred (Morrison and Robinson, 1997). Contract violation would include emotional distress, feelings of betrayal, anger and wrongful harm that result from the individual's perception that although they have kept their promises to another party, the other party has broken their promises to the individual. Therefore, one can recognize a breach has occurred yet at

the same time not experience feelings of violation. In empirical research, the overwhelming emphasis has been directed to examining the consequences of perceived contract breach while the consequences of violation are under researched.

Empirical evidence suggests that contract breach leads to reduced psychological well-being (Conway and Briner, 2002), increased intentions to leave the organization (Tekleab and Taylor, 2003; Turnley and Feldman, 1999), reduced job satisfaction (Tekleab and Taylor, 2003), trust in the organization (Robinson, 1996), organizational commitment (Coyle-Shapiro and Kessler, 2000; Lester et al., 2002), lower employee obligations to the organization (Coyle-Shapiro and Kessler, 2002; Robinson et al., 1994), and more cynical attitudes toward the organization (Johnson and O'Leary-Kelly, 2003). In terms of behavior, contract breach negatively affects in-role performance and extra-role behaviors (Lester et al., 2002; Robinson and Morrison, 1995). There have been a few studies that have examined moderators in the breach-outcome relationship. Conway and Briner (2002) found that the greater the importance of the promise, the stronger the negative reaction to breach, while Kickul et al. (2002) found that procedural and interactional justice moderated employee responses to breach. Even fewer studies have examined the relationship between breach and violation. One study by Dulac et al. (2006) showed that violation fully mediated the effects of breach on employees' affective commitment and trust. Raja et al. (2004) found that equity sensitivity and external locus of control enhanced the relationship between breach and violation. The relationship between perceptions of breach and feelings of violation merits additional research. In addition, the relative effect of cognition and emotion on outcomes is another avenue for investigation.

Thus, the weight of the empirical evidence strongly supports the negative consequences of contract breach. Although the negative ramifications are clear, the potential explanations for this effect warrant empirical

examination (Robinson and Brown, 2004). The overwhelming emphasis of empirical studies have been on employee perceptions of employer contract breach, the consequences of employee contract breach are comparatively neglected (an exception is Tekleab and Taylor, 2003). Future research could examine whether contract breach leads to a spiraling of tit for tat breaches between the employee and employer.

KEY DEBATES

There are a number of debates, challenges and unresolved issues in the domain of the psychological contract, and our aim here is to highlight some of the important debates.

Conceptualization of psychological contract

Although Rousseau's (1989) reconceptualization of the psychological contract remains the most prominent, there is some debate as to what the psychological contract is capturing. The use of varying terms such as expectations, obligations and promises has injected some controversy. As argued by Conway and Briner (2005), the differences between expectations, obligations and promises are important yet not widely discussed potentially, reflecting a limited concern with definitional clarity. Promises involve expectations, but expectations may not necessarily involve a promissory element (Rousseau and McLean Parks, 1993). Expectations may arise based on past experience, probabilistic beliefs about the future whereas promises are based on communication or behavior of another party that leads an individual to believe that a promise has been made. As Conway and Briner (2005) argue the key difference is that expectations represent a general stable belief of whether something will or should happen in the future (e.g., I will probably get a promotion at some point) whereas a promise is a specific belief that something will happen based on communication or behavior of an intention to do so (e.g., my line manager told me that

I would get promoted if I successfully reached a certain performance level).

Only obligations arising from explicit or implicit promises are part of the psychological contract (Morrison and Robinson, 1997). Therefore, obligations that arise from past employment relationships or moral values are not included in the psychological contract unless they were conveyed in a promissory manner to employees. Given that researchers use all three terms to capture the psychological contract, it suggests that a broken promise is given the same significance as an unmet expectation. If the psychological contract encompasses beliefs about promises, expectations and obligations, it then becomes a loosely defined construct with weakened analytical power (Conway and Briner, 2005). To what extent promises, obligations and expectations represent the essence of the psychological contract deserves greater scrutiny.

Exchange and reciprocity are central to the psychological contract as evidenced in the use of the terms 'reciprocal obligations' or 'reciprocal exchange agreement.' However, what remains unclear is whether this exchange occurs at a general level or whether a specific inducement is offered in return for a specific contribution. Consistent with social exchange theory, the emphasis of the empirical research has been on capturing the exchange at a general level. In other words, the organization offers a range of inducements (pay, promotion, training and interesting work) in exchange for a range of employee contributions (performance, effort and flexibility). Researchers have argued that the resources exchanged are underspecified (Conway and Briner, 2005). Here, the work of Foa and Foa (1975) might provide a useful starting point in specifying what is exchanged. Foa and Foa (1980) argued that resources sharing similar attributes in terms of particularism and concreteness are more likely to be exchanged with one another (homeomorphic reciprocity). The idea of a contingent exchange between employee and employer needs to address 'what is contingent upon what?' rather than 'everything is

contingent upon everything.' Greater specification of resources would begin to unravel the degree of contingency that underlies exchange relationships.

The employer's perspective

The question of employer representation presents one of the major ambiguities in the psychological contract literature, and just who represents the employer is a subject of debate. As a consequence, the employer perspective on the contract has remained largely underdeveloped in psychological contract theory, although there seems to be an emerging consensus developing that the employer's perspective to the exchange with employees should be included in psychological contract research (Guest, 1998; Taylor and Tekleab, 2004).

A key issue when examining the employer perspective is that the employer side is most often represented by multiple agents (Shore et al., 2004). Organizations recruit, select, socialize and provide different inducements without specifying who personifies the organization in these activities (Liden et al., 2004). Consequently, who represents the organization has yielded a number of different positions. The first position examines the exchange relationship at the dyadic level between employees and their immediate managers (Lewis and Taylor, 2001; Tekleab and Taylor, 2003). Lewis and Taylor (2001) argue that immediate managers play three important roles in forming, maintaining and monitoring employees' psychological contracts. Employees usually have most contact with their immediate managers who often take the role of representing the organization's expectations to the employee and directly evaluate and respond to employee behavior at work. Guest and Conway (2000), however, challenge the view that immediate managers could be considered as organizational representatives. They argue that managers need to perceive themselves as representing the organization in order to be considered as 'legitimate' organizational representatives.

Guest and Conway (2000) also point out that employees may not perceive line managers as organizational representatives unless they occupy a high position in the organizational hierarchy.

The second position views the relationship at a global level between senior/middle level managers and employees (Coyle-Shapiro and Kessler, 2002; Porter et al., 1998). The argument presented is that decisions that affect the employment relationship are usually made by those higher up in the organizational hierarchy. For instance, Porter et al. (1998) examined the psychological contract perceptions of high-level executives, and argue that high-level executives are in the best position to know about employer inducements offered to employees. A similar argument was made by Guest and Conway (2002), who examined the role of organizational communication in influencing perceptions of psychological contract breach.

The roles of immediate and senior managers may be complementary in managing the employee-organization relationship. Coyle-Shapiro and Shore (2007) argue that one way of uniting these opposing views is to recognize that employees may develop multiple exchange relationships in their employment relationship – a distal relationship with senior managers and a proximal one with line managers. Therefore, while senior managers may be key decision-makers in defining the broad parameters of the exchange (e.g., the type of reward system, promotion system and job security), managers lower in the organizational hierarchy have to enact those policies. Furthermore, lower level managers may develop a psychological contract with employees over specific issues such as autonomy and flexibility, for example. Irrespective of managerial level, managers in that capacity have a role to play in managing the psychological contract with employees whether they feel they are representing the organization or not.

Although the debate on who acts as employer representatives continues, there is evidence suggesting that managers, as employer representatives, view the exchange

with employees as one adhering to the norm of reciprocity (Coyle-Shapiro and Kessler, 2002; Tekleab and Taylor, 2003). Two studies have also captured the employer's perspective as a way of assessing mutuality in the relationship (Coyle-Shapiro and Kessler, 2000; Dabos and Rousseau, 2004). The employer's perspective is very much in its infancy but represents a rich avenue for additional work, allowing a focus on the *interaction* between the employee and the employer.

Reciprocity and iterative exchanges

The assumption that reciprocity explains the contingent interplay between employer and employee contractual behavior is rarely subject to explicit empirical investigation. Instead, the association between contract breach/fulfillment and outcomes is taken as evidence supporting the norm of reciprocity. It is surprising that the norm of reciprocity has not come under greater scrutiny given its prominence to the development, maintenance and termination of psychological contracts. Is reciprocity the explanation underlying exchange relationships? Conway and Briner (2005) argue that the psychological contract may provide goals (i.e. promises) which employees use to compare their behavior and regulate it to reduce the discrepancy between actual behaviors and goals akin to goal setting theory. Robinson and Brown (2004) emphasize that trust and injustice may be important explanations for the negative effects of contract breach beyond reciprocity. Future research needs to examine the extent to which reciprocity underlies the exchange relationship and also its relative effect vis à vis other potential mechanisms.

If reciprocity is the mechanism, what form does it take? Sahlins (1972) distinguished between generalized, balanced and negative reciprocity and this may shed light on how the exchange operates (see Cropanzano and Mitchell (2005) for a review). Further, Greenberg's (1980) theorizing on the motives underlying reciprocity may also be a useful

starting point to unraveling the intricacies of the process of reciprocation. Greenberg (1980) highlighted the notion that reciprocity may be driven by three different motives:

- (1) the desire to receive future benefits (utilitarian reciprocity);
- (2) the recipient's increased attraction to the donor; and
- (3) internal pressure to conform to the norm of reciprocity (normative reciprocity).

Not only do we not know whether reciprocity is the explanation but if it is, we know comparatively little about how it operates.

The iterative process of the exchange has not been adequately captured in empirical research which starts from the position that perceived employer contract fulfillment provides the stimulus for employee reciprocation. This assumes *a priori* that employees have fulfilled their side of the exchange as employer contract fulfillment is contingent upon the employee fulfilling their contract. What happens when employees fulfill their obligations? A study by Conway and Coyle-Shapiro (2006) attempts to address this by examining the relationship between employee performance – perceived employer contract fulfillment – employee performance – perceived employer contract fulfillment using longitudinal data. The study finds support for the norm of reciprocity irrespective of who makes the first 'move' and therefore highlights that the outputs of one exchange transaction provide the input to the next exchange transaction. However, the ongoing iterative and contingent exchange has not been empirically examined in sufficient detail and although it poses a methodological challenge, it is critical to capturing the 'ongoingness' in the exchange relationship.

EMERGING RESEARCH AGENDA

Recently, several researchers have noted that research into contract breach has reached its saturation point and led to an almost exclusive focus on the employee

perspective, using static research designs that repeatedly examine the same set of outcome variables (Conway and Briner, 2005; Taylor and Tekleab, 2004). Furthermore, psychological contract theory has also been criticized for lacking scientific rigor and abandoning its theoretical origins in social exchange theory (Guest, 1998). Where social exchange has been applied to psychological contract research, it is often applied in an implicit and uncritical manner (Coyle-Shapiro and Conway, 2004). In addition, there have been calls for developing more comprehensive conceptual models of psychological contracts (Taylor and Tekleab, 2004). We attempt to direct attention to three embryonic research areas that, if developed, could help further develop how we research and understand psychological contracts.

Alternative methodological approaches to examining psychological contracts

Although the seminal works of Argyris (1960) and Levinson et al. (1960) used a qualitative approach (interviews) to collecting and analyzing data, the emphasis on qualitative research has been downplayed in contemporary studies of psychological contract in favor of quantitative cross sectional studies (a minority of studies have used a longitudinal study design). As stated by Taylor and Tekleab in their review of psychological contract research (2004: 279), 'our literature review [...] has caused us to note, with more than little exasperation, that much psychological contract research seems to have fallen into a methodological rut.'

In a review of empirical studies on the psychological contract, Conway and Briner (2005) note that 10 per cent adopted a qualitative approach. These studies examined the content of the psychological contract (Herriot et al., 1997; Inkson et al., 2001), employee reactions to contract breach (Pate et al., 2003), the impact of organizational changes on the psychological contract (Saunders and Thornhill, 2005) and the processual nature of

the psychological contract (Millward-Purvis and Cropley, 2003).

We illustrate the potential insights provided by three studies using alternative methodologies. First, Millward-Purvis and Cropley (2003) investigated contracting in the context of interviews conducted by parents looking for a live-in nanny to care for their children. These authors were interested in understanding how mutual expectations were addressed during the recruitment interview by the interviewing parents and their respective nannies among two different samples (first-time nanny-employer pairs and experienced nanny-employer pairs). Generally, relational expectations were referred to more implicitly whereas transactional expectations were discussed more explicitly. The study indicates the positive role of implicit means of conveying expectations in the process of psychological contracting. Implicit discussion was found to be more important to mutual understanding and trust than explicit discussion. This study demonstrated the complexities of contracting processes in arriving at a satisfactory formation of an exchange relationship – the intricacies could not have been captured through quantitative means.

The second study (Conway and Briner, 2002) adopted a daily diary approach to examining contract breach and exceeded promises over a 10-day period. The authors viewed the psychological contract as an ongoing chain of events whereby breach is both a cause of subsequent reactions (daily mood) and is the effect that stimulates a subsequent reaction. This study highlights the dynamic nature of the psychological contract and shows how it can be used to understand everyday fluctuations in emotions and daily mood. The authors conclude by stating that the exchange process captured by the psychological contract is an ongoing, unfolding and intra-individual level phenomenon that calls for more detailed in-depth study than the traditional survey approach. The benefits of this approach allow researchers to track employees' immediate perceptions of contract breach and their affective reactions as they evolve over time.

The third interview study examines employees' experience of perceived contract breach using a critical incident technique (Parzefall and Coyle-Shapiro, 2007). The study offers a more complex understanding of contract breach that is located in an individual's schema. In particular, employees ascribed different meanings to breach (a specific breach to a complex chain of events), and this was influenced by their mental model of the employment relationship. In coping with an incongruous event, employees search for meaning that fit their flow of experiences where their emotions and actions are part of their sense-making process which may extend and unfold over time.

The small body of published qualitative studies and the potential of qualitative research to capture the complex nature of the psychological contract has been recognized (Conway and Briner, 2005). The few studies adopting alternative methodological approaches highlight that exchange processes and psychological contracting within an organization are more complex than is captured by survey research. Therefore, as the pressure is mounting for psychological contract research to broaden its scope beyond the examination of contract breach (Conway and Briner, 2005; Taylor and Tekleab, 2004) and to truly capture the individualized employment experiences, the use of qualitative methods and study designs may extend our understanding of exchange relationships and concurrently recognize that relationships are complicated. Qualitative research methods may be particularly well suited to addressing the psychological contract as a process and also highlighting the role of context in exchange relationships.

Psychological contracts: Contribution to social exchange

Psychological contracts, Perceived Organizational Support (POS) and Leader-Member Exchange (LMX) all draw upon social exchange theory. As social exchange theory provides a common theoretical foundation,

how the three constructs are related and whether the psychological contract adds something unique to our understanding of social exchange relationships is an issue that needs to be addressed.

POS was developed by Eisenberger and colleagues (1986) to capture an individual's perception concerning the degree to which an organization values their contributions and cares about his/her well being. Within organizational support theory, when employees perceive that the organization is supportive, they will reciprocate by helping the organization achieve its goals (Eisenberger et al., 2001). LMX captures the quality of the interpersonal relationship that evolves between the employee and their manager (Graen and Scandura, 1987) and the empirical research stems from the assumption that leaders form qualitatively different relationships with different subordinates (Sparrowe and Liden, 1997). LMX theory suggests that the relationships between leaders and employees can range from strictly contractual transactions to an exchange of unspecified benefits that extend beyond the formal job description (Liden and Graen, 1980).

POS, LMX and psychological contracts rely on the norm of reciprocity as the underlying explanatory mechanism for their effects on employee attitudes and behavior. Empirical evidence is supportive of the link between POS (LMX) and organizational commitment (Eisenberger et al., 1990; Scandura and Graen 1984; Shore and Wayne, 1993; Wayne et al., 2002), in-role performance (Eisenberger et al., 1986, 1990), organizational citizenship behavior (Settoon et al., 1996; Shore and Wayne, 1993; Wayne et al., 1997). All three constructs have been empirically linked to a similar set of outcomes.

There have been some attempts to distinguish between the constructs, and the research thus far seems to support their distinctiveness. Aselage and Eisenberger (2003) conceptually integrate POS and psychological contracts, while Coyle-Shapiro and Conway (2005) empirically demonstrate that POS acts as an antecedent and outcome to

the components that comprise psychological contract fulfillment. Wayne et al. (1997) empirically demonstrate that POS and LMX are different with a distinct pattern of antecedents and outcomes suggesting that two types of social exchange relationships exist in organizations. There is empirical evidence that suggests LMX may play an important role in affecting the degree to which employees and supervisors agree on each party's respective obligations (Tekleab and Taylor, 2003). Lewis and Taylor (2001) found that managerial responses to employee contract breach was dependent upon the quality of LMX.

Cropanzano and Mitchell (2005) review the foundational tenets of social exchange theory and argue that the seminal works contain conceptual ambiguity in terms of the relationship between 'exchanges' and 'relationship.' The authors argue that the exchanges may alter the nature of the relationship, and the relationship may alter the nature of the exchanges. It is the distinction between exchanges and relationships that may provide the basis to uniting these three social exchange constructs under the social exchange umbrella. Dulac et al. (2006) empirically examine the relationship amongst the three constructs. Adopting the position that psychological contract breach/fulfillment represents an event that may disrupt or enhance the quality of relationship – in this respect, psychological contract breach is viewed as a potential interruption in an ongoing relationship, the authors demonstrate that the quality of relationship an individual has (captured by POS and LMX) influences cognitions of breach and moderates how individuals respond to contract breach. In other words, the quality of the relationship influences how an individual interprets an event occurring in that relationship and also how he/she responds to that event. This idea seems to have merit both in terms of distinguishing between social exchange constructs and also in advancing our understanding of how exchange relationships work. Future research could distinguish between relationship quality and resources exchanged (or not exchanged) as a way of examining how

relationships influence what is exchanged and the implications of what is exchanged (or not) on the subsequent quality of the relationship.

Complementary theories

We now briefly turn our attention to potential complementary theories that may enrich our understanding of psychological contracts. First, sense-making may shed light on the intricacies of how employees interpret and respond to contract breach. Current quantitative research gives the impression that the relationship between contract breach and employee reciprocation is a simple and linear one (Conway and Briner, 2005). A psychological contract is, however, a schema of the employee-employer relationship. It guides the individual's perception of incoming information, the retrieval of stored information and the inferences based on that information so that it is relevant to and preferably consistent with the existing schema (Fiske and Taylor, 1984).

Apart from Rousseau's (2001) theoretical work, there is relatively little knowledge about the psychological contract as a schema (Taylor and Tekleab, 2004) in terms of how it functions and changes (Morrison and Robinson, 1997). A perseverance effect is a major feature of a schema: schemas tend to persist stubbornly even in the face of contradictory evidence that could potentially prove them false (Fiske and Taylor, 1984). Consequently, individuals tend to ignore contradictory and inconclusive information and tend to make the incoming information fit the schema rather than vice versa. At times, schemas do however change and there are certain conditions that cause individuals to question their schema (Louis and Sutton, 1991). One such event is the perception of contract breach that may conflict with an individual's existing schema and hence trigger conscious sense-making. This offers researchers a unique opportunity to examine how an incongruous event is interpreted, how the individuals make sense of it and how it influences their schema and subsequent action (Parzefall and Coyle-Shapiro, 2007).

Further, existing studies on schema indicate that members of the same social system share cognitive structures that guide their interpretation and behavior (Louis and Sutton, 1991). Consequently, it would be interesting to examine the potential influence that group level schemas exert on individual psychological contracts or how individuals align their psychological contract schemas with those of their group.

Social influence may provide insight into how co-workers shape an individual's schema of the employment relationship. Current research has tended to treat an individual's psychological contract in a vacuum without considering the influence of co-workers, but some research now focuses on these interdependencies. Ho and Levesque (2005) provide empirical evidence that social influence plays an influence in how employees evaluate contract fulfillment. Therefore, although the psychological contract captures the exchange between the individual employee and the employer, its evaluation is subjected to the influence of third parties who remain outside the contract (e.g., co-workers). Future research could extend this line of investigation by examining the conditions under which the strength of social influence is stronger/weaker and this would give greater prominence to the group context in which psychological contracts operate.

The organizational context may also provide a rich avenue for future research integrating social capital theory with psychological contracts. Leana and Van Buren III (1999) suggest that social capital can be seen as a psychological contract between a group of employees and organizational representatives. Hence, social capital theorists refer to an 'organizational reciprocity norm,' which can be described as a force that makes the members of the organization behave and think in a certain way in their exchange relationships. Crucial to the creation of social capital is not only the stability and quality of a relationship between dyadic exchange partners, but the overarching organizational philosophy and corresponding norms with which different individuals enact that philosophy (Leana and

Van Buren III, 1999). Social capital theory, like theories on networks, could provide possibilities for psychological contract theorists to explore similarities and differences between psychological contract perceptions of groups of employees, and offer insights into the development and maintenance of employees' psychological contract in organizational contexts.

CONCLUSION

Our goal in this chapter was to review the literature on the psychological contract in terms of seminal studies, contemporary research, key debates and emerging research agenda. We highlighted that the psychological contract has become more 'psychological' as it developed while concurrently remaining consistent with the basic tenets of social exchange theory. We are at an interesting juncture in psychological contract research in terms of the continuing debate as to what the psychological contract is capturing, how the employer's perspective fits with an individual-level subjective phenomenon and how best to capture the iterative nature of the relationship. In outlining a future research agenda, we have highlighted the potential benefits to be realized from employing alternative research methodologies, the potential contribution of the distinction between 'exchanges' and 'relationships' as a way of integrating social exchange related constructs to provide a richer basis to examining exchange relationships and finally, complementary theories that may advance our understanding of the workings of the psychological contracts. We hope that the material covered serves as a guide to future work on the topic as there is much yet to be uncovered from studying such a fundamental aspect of organizational behavior.

REFERENCES

- Argyris, C. (1960) *Understanding Organizational Behavior*. Homewood, IL: Dorsey Press.
- Arnold, J. (1996) 'The psychological contract: A concept in need of closer scrutiny?', *European Journal of Work and Organizational Psychology*, 5 (4): 511–520.
- Aselage, J. and Eisenberger, R. (2003) 'Perceived organizational support and psychological contracts: A theoretical integration', *Journal of Organizational Behavior*, 24 (5): 491–509.
- Barnard, C.I. (1938) *The Functions of the Executive*. Cambridge, MA: Harvard.
- Blau, P. (1964) *Exchange and Power in Social Life*. New York: Wiley.
- Conway, N. and Briner, R.B. (2002) 'A daily diary study of affective responses to psychological contract breach and exceeded promises', *Journal of Organizational Behavior*, 23 (3): 287–302.
- Conway, N. and Briner, R.B. (2005) *Understanding Psychological Contracts at Work: A Critical Evaluation of Theory and Research*. Oxford: Oxford University Press.
- Conway, N. and Coyle-Shapiro, J.A-M. (2006) *Reciprocity and Psychological Contracts: Employee Performance and Contract Fulfillment*. Paper presented at the Annual meeting of the Academy of Management, Atlanta.
- Coyle-Shapiro, J.A-M. and Conway, N. (2004) 'The employment relationship through the lens of social exchange', in J.A-M Coyle-Shapiro, L.M. Shore, M.S. Taylor and L.E. Tetrick (eds) *The Employment Relationship: Examining Psychological and Contextual Perspectives*. Oxford: Oxford University Press, pp. 5–28.
- Coyle-Shapiro, J.A-M. and Conway, N. (2005) 'Exchange relationships: An examination of psychological contracts and perceived organizational support', *Journal of Applied Psychology*, 90 (4): 774–781.
- Coyle-Shapiro, J. and Kessler, I. (2000) 'Consequences of the psychological contract for the employment relationship: A large scale survey', *Journal of Management Studies*, 37 (7): 903–930.
- Coyle-Shapiro, J. and Kessler, I. (2000) *Mutuality, Stability and Psychological Contract Breach: A Longitudinal Study*. Paper presented at the Annual Meeting of the Academy of Management, Toronto.
- Coyle-Shapiro, J.A-M. and Kessler, I. (2002) 'Reciprocity through the lens of the psychological contract: Employee and Employer perspectives', *European Journal of Work and Organizational Psychology*, 11 (1): 1–18.
- Coyle-Shapiro, J.A-M. and Neuman, J. (2004) 'Individual dispositions and the psychological contract: The moderating effects of exchange and creditor ideologies', *Journal of Vocational Behavior*, 64 (1): 150–164.

- Coyle-Shapiro, J.A.-M. and Shore, L. (2007) 'The employee-organization relationship: Where do we go from here?' *Human Resource Management Review*, 17 (2): 166–179.
- Cropanzano, R. and Mitchell, M.S. (2005) 'Social exchange theory: An interdisciplinary review', *Journal of Management*, 31 (6): 874–900.
- Dabos, G. and Rousseau, D.M. (2004) 'Mutuality and reciprocity: Psychological contracts in research teams', *Journal of Applied Psychology*, 89 (1): 52–72.
- De Vos, A., Buyens, D. and Schalk, R. (2003) 'Psychological contract development during organizational socialization: Adaptation to reality and the role of reciprocity', *Journal of Organizational Behavior*, 24 (5): 537–559.
- Dulac, T., Coyle-Shapiro, J.A.-M. and Delobbe, N. (2006) *The Role of Socialization Tactics and Information Seeking Behavior in Newcomers' Psychological Contract Evaluation*. Paper presented at the Annual meeting of the Academy of Management, Atlanta.
- Dulac, T., Coyle-Shapiro, J.A.-M., Henderson, D. and Wayne, S. (2006) *The Development of Psychological Contract Breach and Violation: A Social Exchange Approach*. Paper presented at the Annual meeting of the Academy of Management, Atlanta.
- Eisenberger, R., Huntington, R., Hutchison, S. and Sowa, D. (1986) 'Perceived organizational support', *Journal of Applied Psychology*, 71 (3): 500–507.
- Eisenberger, R., Fasolo, P. and Davis-LaMastro, V. (1990) 'Perceived organizational support and employee diligence, commitment, and innovation', *Journal of Applied Psychology*, 75 (1): 51–59.
- Eisenberger, R., Armeli, S., Rexwinkel, B., Lynch, P.D. and Rhoades, L. (2001) 'Reciprocation of perceived organizational support', *Journal of Applied Psychology*, 86 (1): 42–51.
- Fiske, S.T. and Taylor, S.E. (1984) *Social Cognition*. Reading, MA: Addison-Wesley.
- Foa, U.G. and Foa, E.B. (1975) *Resource Theory of Social Exchange*. Morristown, NJ: General Learning Press.
- Foa, U.G. and Foa, E.B. (1980) 'Resource theory: Interpersonal behavior as exchange', in K.J. Gergen, M.S. Greenberg and R.H. Willis (eds) *Social Exchange: Advances in Theory and Research*. New York: Plenum Press, pp. 77–94.
- Gouldner, A.W. (1960) 'The norm of reciprocity', *American Sociological Review*, 25 (2): 161–178.
- Graen, G., and Scandura, T.A. (1987) 'Toward a psychology of dyadic organizing', *Research on Organizational Behaviour*, 9: 175–208.
- Greenberg, M.S. (1980) 'A theory of indebtedness', in K.J. Gergen, M.S. Greenberg and R.H. Willis (eds) *Social Exchange: Advances in Theory and Research*. New York: Plenum Press, pp. 3–26.
- Guest, D.E. (1998) 'Is the psychological contract worth taking seriously?' *Journal of Organizational Behaviour*, 19 (7): 649–664.
- Guest, D. and Conway, R. (2000) *The Public Sector and the Psychological Contract*. IPD Research Report. London: IPD.
- Guest, D. and Conway, R. (2002) 'Communicating the psychological contract: An employer perspective', *Human Resource Management Journal*, 12 (2): 22–38.
- Herriot, P., Manning, W.E.G. and Kidd, J.M. (1997) 'The content of the psychological contract', *British Journal of Management*, 8 (2): 151–162.
- Ho, V.I. and Levesque, L.L. (2005) 'With a little help from my friends (and substitutes): Social referents and influence in psychological contract fulfilment', *Organization Science*, 16 (3): 275–289.
- Homans, G.C. (1958) 'Social behavior as exchange', *American Journal of Sociology*, 63 (6): 597–606.
- Inkson, K., Heising, A. and Rousseau, D. (2001) 'The interim manager: Prototype of the 21st-century worker?', *Human Relations*, 54 (3): 259–284.
- Johnson, J.L. and O'Leary Kelly, A.M. (2003) 'The effects of psychological contract breach and organizational cynicism: Not all social exchange violations are created equal', *Journal of Organizational Behavior*, 24 (5): 627–647.
- Kickul, J., Lester, S.W. and Finkl, J. (2002) 'Promise breaking during radical organizational change: Do justice interventions make a difference?' *Journal of Organizational Behavior*, 23 (2): 469–488.
- Leana, C.R. and Van Buren III, H. (1999) 'Organizational social capital and employment practices', *Academy of Management Review*, 24 (3): 538–555.
- Lester, S.W., Turnley, W.H., Bloodgood, J.M. and Bolino, M.C. (2002) 'Not seeing eye to eye: Differences in supervisor and subordinate perceptions of and attributions for psychological contract breach', *Journal of Organizational Behavior*, 23 (1): 39–56.
- Levinson, H., Price, C.R., Munden, K.J., Mandl, H.J. and Solley, C.M. (1962) *Men, Management and Mental Health*. Boston: Harvard University Press.
- Lewis, K. and Taylor, M.S. (2001) *Reciprocity from the Organization's Side: Manager Reactions to Employee Psychological Contract Breach*. Paper presented at Society of Industrial/Organizational Psychology (SIOP) Meetings, May.
- Liden, R.C., Bauer, T.N. and Erdogan, B. (2004) 'The role of leader-member exchange in the dynamic relationship between employer and employee: Implications for employee socialization, leaders, and organization', in J.A.-M. Coyle-Shapiro, L.M. Shore, M.S. Taylor and L.E. Tetrick (eds) *The Employment Relationship: Examining Psychological and*

- Contextual Perspectives*. Oxford: Oxford University Press, pp. 226–250.
- Liden, R.C. and Graen, G.B. (1980) 'Generalizability of the vertical linkage dyad mode of leadership', *Academy of Management Journal*, 23 (3): 451–465.
- Louis, M.R. and Sutton, R.I. (1991) 'Switching cognitive gears. From habits of mind to active thinking', *Human Relations*, 44 (1): 55–76.
- Macneil, I.R. (1974) 'The many futures of contracts', *Southern California Law Review*, 47: 691–816.
- Macneil, I.R. (1980) *The New Social Contract: An Inquiry into Modern Contractual Relations*. New Haven: Yale University Press.
- March, J.G. and Simon, H.A. (1958) *Organizations*. New York.
- Mauss, M. (1925) *The Gift*. Glencoe, IL: Free Press, 1954. (Republished, New York: Norton, 1967).
- Malinowski, B. (1922) *Argonauts of the Western Pacific: An Account of Native Enterprise and Adventure in the Archipelagoes of Melanesian New Guinea*. London: Routledge (Republished, New York: Dutton, 1962).
- Menninger, K. (1958) *Theory of Psychoanalytic Technique*. New York: Basic Books, Inc.
- Millward-Purvis, L.J. and Cropley, M. (2003) 'Psychological contracting: Processes of contract formation during interviews between nannies and their employers', *Journal of Occupational and Organizational Psychology*, 76 (2): 213–241.
- Morrison, E.W. and Robinson, S.L. (1997) 'When employees feel betrayed: A model of how psychological contract violation develops', *Academy of Management Review*, 22 (1): 226–256.
- Morrison, E.W. and Robinson, S.L. (2004) 'The employment relationship from two sides: Incongruence in employees' and employers' perceptions of obligations', in J.A.-M. Coyle-Shapiro, L.M. Shore, M.S. Taylor and L.E. Tetrick (eds) *The Employment Relationship: Examining Psychological and Contextual Perspectives*. Oxford: Oxford University Press, pp. 161–180.
- O'Leary-Kelly, A.M. and Schenk, J.E. (2000) *An Examination of the Development and Consequences of Psychological Contracts*. Paper presented at the Annual meeting of the Academy of Management.
- Pate, J., Martin, G. and McGoldrick, J. (2003) 'The impact of psychological contract violation of employee attitudes and behaviour', *Employee Relations*, 25 (6): 551–573.
- Parzefall, M.-R. and Coyle-Shapiro, J. (2007) *Psychological Contract Schema, Contract Breach and Sense-Making: A Qualitative Study*. Paper presented at The Annual Meeting of the Academy of Management, Philadelphia 3–8th August.
- Porter, L.W., Pearce, J.L., Tripoli, A. and Lewis, K.M. (1998) 'Differential perceptions of employers' inducements: Implications for psychological contracts', *Journal of Organizational Behavior*, 19 (7): 769–782.
- Raja, U., Johns, G. and Ntalianis, F. (2004) 'The impact of personality on psychological contracts', *Academy of Management Journal*, 47 (3): 350–367.
- Robinson, S.L. (1996) 'Trust and breach of the psychological contract', *Administrative Science Quarterly*, 41 (4): 574–599.
- Robinson, S.L. and Brown, G. (2004) 'Psychological contract breach and violation: A review', in Anne O'Leary-Kelly and Richard Griffin's (eds) *Darkside of Organizational Behavior*. Jossey-Bass, pp. 309–338.
- Robinson, S.L., Kraatz, M. and Rousseau, D.M. (1994) 'Changing obligations and the psychological contract: A longitudinal study', *Academy of Management Journal*, 37 (1): 137–152.
- Robinson, S.L. and Morrison, E.W. (1995) 'Psychological contracts and OCB: The effect of unfulfilled obligations on civic virtue behavior', *Journal of Organizational Behavior*, 16 (3): 289–298.
- Roehling, M.V. (1996) *The Origins and Early Development of the Psychological Contract Construct*. Paper presented at the annual meeting of the Academy of Management, Cincinnati.
- Rousseau, D.M. (1989) 'Psychological and implied contracts in organizations', *Employee Responsibilities and Rights Journal*, 2 (2): 121–139.
- Rousseau, D.M. (1990) 'New hire perceptions of their own and their employer's obligations: A study of psychological contracts', *Journal of Organizational Behavior*, 11 (5): 389–400.
- Rousseau, D.M. (1995) *Psychological Contracts in Organizations: Understanding Written and Unwritten Agreements*. Thousand Oaks, CA: Sage.
- Rousseau, D.M. (2001) 'Schema, promise and mutuality: The building blocks of the psychological contracts', *Journal of Occupational and Organizational Psychology*, 74 (4): 511–541.
- Rousseau, D.M. and McLean Parks, J. (1993) 'The contracts of individuals and organizations', in L.L. Cummings, and B.M. Staw (eds) *Research in Organizational Behavior*. Greenwich: JAI Press, pp. 1–43.
- Sahlins, M. (1972) *Stone Age Economics*. New York: Aldine de Gruyter.
- Saunders, M.N.K. and Thornhill, A. (2005) 'Forced employment contract change and the psychological contract', *Employee Relations*, 28 (5): 449–467.
- Scandura, I. and Graen, G.B. (1984) 'Moderating effects of initial leader-member exchange status on the effects of a leadership', *Journal of Applied Psychology*, 69 (3): 428–437.

- Schein, E.H. (1965) *Organizational Psychology*. Englewood Cliffs, NJ: Prentice Hall.
- Schein, E.H. (1980) *Organizational Psychology*. 3rd edn. Englewood Cliffs, NJ: Prentice Hall.
- Sels, L., Janssens, M. and Van den Brande, I. (2004) 'Assessing the nature of psychological contracts: a validation of six dimensions', *Journal of Organizational Behavior*, 25 (4): 461–488.
- Settoon, R.P., Bennet, N. and Liden, R.C. (1996) 'Social exchange in organizations: The differential effects of perceived organizational support and leader member exchange', *Journal of Applied Psychology*, 16 (3): 289–298.
- Shore, L.M., Porter, L.W. and Zahra, S.A. (2004) 'Employer-oriented strategic approaches to the employee-organization relationships', in J.A-M. Coyle-Shapiro, L.M. Shore, M.S. Taylor and L.E. Tetrick (eds) *The Employment Relationship: Examining Psychological and Contextual Perspectives*. Oxford: Oxford University Press, pp. 135–160.
- Shore, L. and Wayne, S. (1993) 'Commitment and employee behavior: Comparison of affective commitment and continuance commitment with perceived organizational support', *Journal of Applied Psychology*, 78 (5): 774–780.
- Sparrowe, R.T. and Liden, R.C. (1997) 'Process and structure in leader-member exchange', *Academy of Management Review*, 22 (2): 522–552.
- Taylor, M.S. and Tekleab, A.G. (2004) 'Taking stock of psychological contract research: Assessing progress, addressing troublesome issues, and setting research priorities', in J.A-M. Coyle-Shapiro, L.M. Shore, M.S. Taylor and L.E. Tetrick, (eds) *The Employment Relationship: Examining Contextual and Psychological Perspectives*. Oxford: Oxford University Press, pp. 253–283.
- Tekleab, A.G. (2003) *The Role of Realistic Job Previews and Organizational Socialization on Newcomers' Psychological Contract Development*. PhD Dissertation, University of Maryland.
- Tekleab, A.G. and M.S. Taylor (2003) 'Aren't there two parties in an employment relationship? Antecedents and consequences of organization-employee agreement on contract obligations and violations', *Journal of Organizational Behavior*, 24 (5): 585–608.
- Thomas, H.D. and Anderson, N. (1998) 'Changes in newcomers' psychological contracts during organizational socialization: A study of recruits entering the British Army', *Journal of Organizational Behavior*, 19 (7): 745–767.
- Turnley, W.H. and Feldman, D.C. (1999) 'The impact of psychological contract violations on exit, voice, loyalty, and neglect', *Human Relations*, 52 (7): 895–922.
- Wayne, S.J., Shore, L.M. and Liden, R.C. (1997) 'Perceived organizational support and leader-member exchange: A social exchange perspective', *Academy of Management Journal*, 40 (1): 87–111.
- Wayne, S.J., Shore, L.M., Bommer, W.H. and Tetrick, L.E. (2002) 'The role of fair treatment and rewards in perceptions of organizational support and leader-member exchange', *Journal of Applied Psychology*, 87 (3): 590–598.