Chapter 4
If You Are Able to Control Yourself, I Will Trust You: The Role of Perceived Self-Control in Interpersonal Trust

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Trust is necessary for people to live together, cooperate with each other, and coordinate efforts and behavior. On a daily basis people encounter numerous interdependent social situations in which trust is essential. But because others’ behavior is to some extent unpredictable, interdependent situations necessarily involve some degree of uncertainty. Will Mary cooperate, will she act selfishly, or will she try to hurt me? Uncertainty and risk are intrinsic properties of interdependent situations; thus, in order to function in social contexts and maintain healthy relationships, people need to trust that the other person will act favorably towards them. But not everybody is trustworthy. Why do people trust certain partners more than others? How do they know whom to trust?

Trust is integral to a host of social interactions and, accordingly, has been studied across disciplines, including economics, medicine, law, religion, sociology, and psychology. In psychology, research mainly has focused on identifying dispositional characteristics that make people more or less prone to be trusting (Brennan & Shaver, 1995; Gurtman, 1992; Keelan, Dion, & Dion, 1994; Mikulincer, 1998; Rotter, 1971; Ryder & Bartle, 1991; Shapiro & Swensen, 1977; Simpson, 2007; Sorrentino, Holmes, Hanna, & Sharp, 1995). Individual differences in whether one extends trust to others are important. Nevertheless, because trust is an inherently interpersonal phenomenon, the interaction partner is also a key component of the equation. Hence, it is necessary to consider not only the actor’s (trustor) characteristics but also the partner’s (trustee) characteristics.

The present research examines a primary factor that people may use to gauge others’ trustworthiness: Perceptions of the other person’s level of self-control. We propose that in interactions between strangers as well as in established relationships, people detect the level of another person’s self-control (both as a dispositional trait and temporary state) which, in turn, affects their perception of that person’s trustworthiness.

Conceptualizing Trust

Although many scientists study trust, to date there is no universally accepted definition. Most definitions, however, do agree that trust is a positive expectation toward another person’s behavior. For example, Robinson (1996) defined trust as a person’s “expectations, assumption, or belief about the likelihood that another’s future actions will be beneficial, favorable, or at least not detrimental to one’s interests” (p. 576).

Trust arises in a situation in which three conditions are fulfilled. A first necessary condition is interdependence between two people: A person’s outcome cannot be achieved without reliance upon another person.

The second condition is risk: A person realizes that something will be lost if the partner does not act favorably toward the self. When two people are interdependent and their interests correspond (i.e., what is good for the self is also good for the partner),
then there is little risk: Because the desired outcome is good for both partners, the other will likely act favorably. On the contrary, when two people are interdependent but their interests do not correspond, in the so-called “strain-test” situations, trust becomes relevant (Holmes & Rempel, 1989; Wieselquist, Rusbult, Forster, & Agnew, 1999). In these situations, the actions that benefit the individual differ from the actions that benefit the partner. People in these strain-test situations face an interdependence dilemma: On the one hand, they have reasons to pursue their immediate self-interest. On the other hand, they have reasons to promote their partner’s interests (e.g., to maintain the relationship, to follow social norms, to benefit a third party). For example, on a Friday night, John asks Mary’s help to finish his work: She is an expert on the topic and the only one who can help him. Mary, however, has made plans to go to theatre. In this case, Mary faces an interdependence dilemma: Either she pursues her self-interest (going to the theatre) or she promotes John’s interest (helping him with work). In this situation, John’s outcomes are at risk because there is uncertainty about how Mary is going to respond, self-interested or in John’s interest and her relationship with him.

The third necessary condition is free choice: In situations involving interpersonal uncertainty, people can choose to make themselves vulnerable and rely on the partner to achieve the best outcome or withdraw in order to find alternative solutions (and perhaps settle for a poorer outcome). Imagine John wants to share important secret information about his company with someone. Will he share this information with his colleague Mary knowing that Mary has two options? She can either use the information to pursue her own interests (e.g., use the secret information to get an advancement in her career), or keep it secret to pursue John’s interests. If John decides to share the information with Mary, it is because John chooses to trust Mary and believes that she will react in his interest rather than her own.

Why Do We Trust Others?

Trust is a dyadic process that involves two individuals, the trustor and the trustee. To understand the reasons why trust develops, we need to consider the characteristics of both individuals. Although research on the trustee side is scarce, some data are known. Mayer, Davis, and Schoorman (1995) suggested three trustee aspects that lead to trust: Ability, benevolence, and integrity. Ability is a group of skills, competencies, and characteristics that enable the trustee to exert influence in a specific domain. Many scholars consider ability an essential element of trust (e.g., Cook & Wall, 1980; Deutsch, 1960; Jones, James, & Bruni, 1975; Sitkin, & Roth, 1993). For example, people may trust their financial advisors, because they assume that their advisors have the knowledge and know-how to make better financial decisions than they could make on their own. Benevolence is the belief that the trustee has good intentions toward the trustor due to some specific attachment or history with the trustor (e.g., friends). Finally,
integrity is the belief that the trustee adheres to principles and values acceptable to the trustor (e.g., a strong sense of justice).

Although they have different roots, benevolence and integrity both reflect a trustor’s expectation that the trustee will show benevolent behavior because she is motivated to do so. Thus, trust can be considered as being influenced by two trustee characteristics: The trustee’s ability to perform a particular behavior and the trustee’s motivation to act favorably toward the trustor.

Trustors typically infer ability and motivation from previous behaviors of and experience with the trustee (cf. Heider, 1958; Weiner, 1986). For example, Wieselquist et al. (1999) showed that partners’ sacrifice and accommodative behavior influence people’s level of trust in their partners. Engaging in sacrifice and accommodative behaviors allows partners to solve the interdependence dilemma by forgoing their self-interest for the good of the relationship (Kelley, 1983). Wieselquist et al. proposed that these pro-relationship behaviors provide people with unambiguous evidence that the partner has benevolent motives because he or she is committed to the relationship. We propose that these behaviors not only communicate that the partner is motivated but also that the partner has the ability to enact these behaviors despite the costs that these behaviors may entail. Indeed, because the nature of these behaviors is beyond self-interest, pro-relationship behaviors are costly and effortful and require the exertion of self-control (Balliet, Li & Joireman, 2010; Finkel & Campbell, 2001; Pronk, Karremans, Overbeek, Vermulst, & Wigboldus, 2010). Thus, by succeeding in strain-test situations and performing pro-relationship behaviors, a trustee can communicate a possession of the motivation (commitment to the relationship) and the ability (self-control) to act favorably toward the trustor (Finkel & Campbell, 2001).

Self-Control as General Ability

In previous studies on trust, ability has been considered to be a specific set of skills within a specific domain (Cook & Wall, 1980; Deutch, 1960; Jones et al., 1975; Mayer et al., 1995; Sitkin, & Roth, 1993). The present research adopts a broader view by considering the trustee’s self-control as an indicator of general ability to handle most situations involving trust. Self-control is the self’s ability to alter or override its unwanted responses so as to bring them into agreement with a standard (e.g., Baumeister, Heatherton, & Tice, 1993). Thus, by exerting self-control, people can change their thoughts, emotions, and behaviors in line with the self’s desires or the situation.

Self-control can vary across individuals (trait) and across situations (state). People differ in their dispositional self-control (Tangney, Baumeister, & Boone, 2004). Across time and situations, some people are better than others in altering their internal states, inhibiting undesirable behaviors, and exhibiting desirable behaviors even if costly. Self-control also varies across situations. Empirical evidence suggests that self-
control relies on a limited resource that becomes depleted by prior exertion of self-control (Baumeister & Heatherton, 1996). In classic studies manipulating state self-control, half of the participants engage in a task requiring the exertion of self-control (e.g., suppressing emotions or thoughts while watching an emotional movie, Muraven, Tice, & Baumeister, 1998), while the other half performs a comparable but neutral task (e.g., watching the same movie without emotion regulation instructions). Subsequently, all participants perform a second, unrelated task that requires self-control (e.g., attempting to solve unsolvable anagrams). Compared to participants who performed the neutral task, participants who had earlier been engaged in self-control (and presumably have depleted their self-control resources) generally perform poorer on the second task (e.g., Baumeister, Bratslavsky, Muraven, & Tice, 1998; Muraven et al., 1998).

Self-control may have evolved to manage the clash between two motivations: natural impulses and cultural demands (Baumeister & Vohs, 2007). Natural impulses are characterized by primitive hedonic reactions and selfishness, whereas cultural demands are characterized by a system of standards, rules, and norms that govern life in groups (Baumeister, 2005; Hofmann, Friese, & Strack, 2009). Thanks to self-control, people can refrain from selfish impulses and instead act according to cultural demands. One crucial motivation underling the willingness to adhere to cultural demands is the desire for social acceptance (Baumeister & Vohs, 2007). Given the importance of social belongingness and acceptance for human survival (Baumeister & Leary, 1995; Deci & Ryan, 2000), people (mostly) learn that although selfish behavior may be beneficial in the short-run, it ultimately leads to rejection from others.

Not surprisingly, people use much of their self-control to restrain selfish motivations and adhere to cultural demands (Heatherton & Vohs, 1998). Most cultural systems, through religion, morals, and social norms, promote these prosocial behaviors because they benefit the social system (De Wall, Baumeister, Gailliot, & Maner, 2008). Thus, although self-control is a global ability that enables the self to bring its responses into agreement with standards, the content of those standards oftentimes are a function of a prosocial motivation. Therefore, self-control frequently results in prosocial behaviors that benefit interdependent relationships.

Consistent with this idea, research has shown that self-control is a crucial factor for good interpersonal functioning. As compared to people low in self-control, people high in self-control experience greater family cohesion and have less conflictive relationships. They have a more secure attachment style, engage in more perspective-taking, and show more empathy and less anger and aggression in relationships (Tangney et al., 2004). People high in self-control are also more likely to help strangers (De Wall et al., 2008). Furthermore, when involved in romantic relationships, high self-control individuals are better able to suppress feelings of attraction to alternative partners (Pronk, Karremans, & Wigboldus, 2010; Ritter, Karremans, van Schie, 2010; Vohs & Baumeister, 2010) and to engage in pro-relationship behaviors, such as
accommodation (Finkel & Campbell, 2001) and forgiveness (Balliet, et al., 2010; Pronk et al., 2010). Finally, those with strong self-regulatory skills are better able than others with poor self-regulatory skills to keep promises made to their romantic partners (Peetz & Kammrath, 2010).

As mentioned, trust is likely to arise in interdependent situations (especially strain-test situations) which involve risk and in which the individual can freely choose to rely upon the other. We propose that high self-control people are perceived relatively less risky partners and therefore are more often chosen as people to rely on than low self-control people. According to interdependence theory (Kelley & Thibaut, 1978; Rusbult & Van Lange, 1996), when confronted with social dilemmas in strain-test situations, people’s immediate reaction is to satisfy short-term self-interests. Self-control enables people to inhibit their first impulse and instead act according to broader considerations (e.g., their partner’s interests, relationship interests, social norms, values, ideals, or long-term goals). Thus, as compared to people low in self-control, people high in self-control are more likely to forego their immediate self-interest and act in a favorable way toward others. Also in situations in which the interests of two individuals correspond, people high in self-control may be trusted more than people low in self-control. For example, in a doctor-patient relationship, where both individuals are interested in making the patient better, a high self-control doctor will not be constrained to act impulsively. Rather she will be able to choose, from a broad repertoire of behavioral responses, the response that maximizes the positive outcome for both individuals (the patient’s health). Thus, perceiving high levels of self-control in a partner should signal that the partner can be relied on in most situations calling for trust.

Research Overview

The present research tested the role of perceived level of trustees’ self-control on trust. We propose that people infer the level of another person’s self-control from her behavior, which, in turn, influences their perception of her ability to act in a trustworthy manner, even above and beyond her desire to do so. The focus of our research is, therefore, on the link between a trustee’s ability (self-control) and the trustor’s trust, controlling for the trustee’s motivation (e.g., commitment or prosocial attitude). We hypothesize that to the extent that a person is perceived to possess good self-control (both as a general personality trait and as a temporary state), she will be trusted more than a person poor in self-control. Moreover, we predict that the link between perceived self-control and trust should occur irrespective of whether the interaction is between close partners or strangers.

Four experiments tested these predictions. Experiments 4.1 and 4.2 examined the link between perceived trait self-control and trust, and Experiments 4.3 and 4.4 examined the link between perceived state self-control and trust. Furthermore,
Experiment 4.2 focused on ongoing relationships, and Experiments 4.1, 4.3, and 4.4 focused on strangers. Experiment 4.1 examined whether people infer trait self-control from behavior that requires self-control, and whether this inference, in turn, influences people’s willingness to trust a stranger. Experiment 4.2 assessed interpersonal and intrapersonal behaviors that were hypothesized to influence the perception of the partner’s (here, married spouses’) trait self-control, and examined whether perceived self-control mediates the link between these behaviors and trust. Experiment 4.3 investigated whether people can detect a momentary depletion of a stranger’s self-control and whether this perception of self-control depletion decreases trust toward the stranger. Finally, Experiments 4.1 to 4.3 assessed trust with a self-report measure; in Experiment 4.4, we replicated Experiment 4.3 in a strain-test situation using the trust game, a behavioral measure of trust (Berg, Dickhaut, & McCabe, 1995).

**Experiment 4.1**

Experiment 1 tested the link between perceived trait self-control and trust in interactions between strangers. Abundant research shows that observers infer a correspondence between people’s actions and internal dispositions (Jones & Davis, 1965). In fact, people instantly and automatically make dispositional trait inferences upon seeing another act (Uleman, 1989). Given these findings, perceivers should make inferences about behavior indicative of self-control, insofar as it requires foregoing immediate self-interest for the pursuit of long-term goals.

Experiment 4.1 investigated whether self-control, or the ability component of trust, is readily detected by people through the observation of behavioral cues. We asked participants to form an impression of a stranger who, in the past, had performed a behavior that required high versus low self-control. We examined whether people generalized from this single behavior and inferred the presence (or absence) of trait self-control. In addition, we tested whether their perceptions of the stranger’s self-control affected their perception of trustworthiness of this person. Last, we also assessed whether high self-control others are more likeable than low self-control others.

**Method**

**Participants.** Participants were 40 individuals, 26 women and 14 men. They were recruited on the campus of the Vrije Universiteit Amsterdam, and were paid €2.50 for taking part in the experiment. Participants were 22.08 years old, on average. Upon arrival at the laboratory, we randomly assigned participants to one of two experimental conditions (high self-control behavior vs. low self-control behavior).

**Procedure.** Participants’ first job was to write about an event that had happened to them in the previous week. This task was to support the cover story that there was ostensibly another participant who was doing the same task. Their sheets,
then, would be exchanged in order to get to know each other before having an
interaction. When finished, participants received the form that was supposedly written
by the other participant. As a function of condition, one of two stories was given to
participants. One implied that the writer behaved in a self-controlled manner, whereas
the other story implied that the writer behaved in a less self-controlled manner,
following his or her impulses (Appendix A).

We asked participants to form an impression of the other participant and reply
to questions about him or her on the computer. The computer randomly presented
questions from a set of four questionnaires. To assess perceived other’s trait self-control
we used an adapted version of the Tangney et al. (2004) Self-Control Scale (11 items;
e.g., “I think that the other participant has a hard time breaking bad habits”; Finkenauer,
Engels, & Baumeister, 2005; \( \alpha = .88 \)), and three items that directly assessed trait self-
control (e.g., “I think that the other participant has a lot of self-control”; \( \alpha = .95 \)). We
measured trust (3 items; “The other participant is a trustworthy person”; \( \alpha = .71 \)) and
liking (3 items; “The other participant is a nice person”; \( \alpha = .78 \)). Finally, participants
completed semantic differential items (Osgood, Suci, & Tennenbaum, 1957).
Specifically, participants evaluated the other participant on a continuum between two
opposing adjectives on a 9-point scale (e.g., bad-good, 0 = extremly bad, 4 = neutral, 8
= extremly good). We selected a total of nine paired adjectives that represented Osgood
et al.’s three main factors: evaluation (3 paired adjectives; e.g. “negative-positive”; \( \alpha = .64 \)),
potency (3 paired adjectives; e.g., “powerful-powerless”; \( \alpha = .64 \)), and activity (3
paired adjectives; e.g., “calm-excitible”; \( \alpha = .55 \)).

Results and Discussion

Key findings. To check whether participants attribute higher dispositional self-
control to another participant who told a story about a high self-control behavior than to
another participant who told a story about a low self-control behavior, we performed an
independent-samples t-test (high self-control vs. low self-control behavior condition) on
the two measures of perceived other’s self-control. As intended, in the high self-control
behavior condition the other participant was perceived to have more self-control on the
Tangney et al. (2004) and the three items measure \( (M = 3.61, SD = 0.16, \text{ and } M = 4.53, \text{
SD} = 0.24, \text{ respectively}) \) than in the low self-control behavior condition \( (M = 2.01, SD
= 0.15, \text{ and } M = 1.13, SD = 0.23, \text{ respectively}) \), \( t(38) = 7.15, p < .001 \), and \( t(38) = 10.09,
p < .001 \), respectively.

To examine whether participants trusted another participant more when he or
she displayed high self-control behavior than when he or she displayed low self-control
behavior, we performed an independent-samples t-test (high self-control vs. low self-
control behavior condition) on trust. Consistent with our predictions, high self-control
behavior led to greater trust \( (M = 3.98, SD = 0.19) \) than low self-control behavior \( (M = 2.49, \text{ SD = 0.19}) \), \( t(38) = 5.42, p < .001 \).
We conducted mediation analyses using the bootstrapping method (Preacher & Hayes, 2004) to examine whether the perception of the other participant’s trait self-control mediated the effect of high vs. low self-control behavior condition on trust. The bootstrap estimates are based on 5,000 bootstrap samples. The results revealed that the total effect of high vs. low self-control behavior on trust (total effect = 1.46, \( p < .001 \)) became non-significant when the perception of self-control was included in the model (direct effect of high vs. low self-control behavior condition = .16, \( p = .616 \) and -.51, \( p = .165 \); respectively for the Tangney et al. (2004) Scale and for the three items measure). Furthermore, the analyses revealed that the total indirect effect was significant with a point estimate of 1.30 and a 99% confidence interval (CI) of .31 to 1.86 for the Tangney et al. Scale and a point estimate of 1.96 and a 99% confidence interval (CI) of .55 to 3.08 for the three items measure. Thus, perceived other’s self-control fully mediated the effects of high vs. low self-control behavior condition on trust.

**Auxiliary analyses.** To test whether participants liked a person who performed a high self-control behavior more than a person who performed a low self-control behavior, we performed an independent-samples t-test (high self-control vs. low self-control behavior condition) on liking. Results revealed no significant difference between the two conditions, \( t(38) = 0.53, p = .601 \). Analyses on the three dimensions of the Osgood et al. Scale (1957), revealed a significant effect of potency, in that a person who performed a high self-control behavior was perceived as more powerful (\( M = 4.47, SD = 0.27 \)) than a person who performed a low self-control behavior (\( M = 3.67, SD = 0.25 \)), \( t(38) = 2.20, p = .034 \). We found no effects for evaluation and activity between the two conditions, \( t(38) = -0.03, p = .976 \), and \( t(38) = -0.94, p = .354 \), respectively.

**Discussion.** Consistent with our hypothesis, this experiment provides support for the idea that, among strangers, a high self-control person is trusted more than a low self-control person before interacting for the first time. This experiment showed that a description of past behavior that had required self-control led people to attribute self-control to the person. This, in turn, affected people’s trust in that person. Furthermore, this experiment revealed that, in an interaction between strangers, the perception of self-control influences trust but not liking.

**Experiment 4.2**

Experiment 4.2 had two major purposes: to (a) replicate our findings in the context of partners in a close relationship; and (b) test which behaviors in a close relationship are perceived as diagnostic of self-control and, in turn, influence trust in the partner. Figure 4.1 displays our model.
Figure 4.1. Model of Experiment 4.2. Intra- and interpersonal behaviors determines other’s self-control that determines trust.

We examined three behaviors (two interpersonal and one intrapersonal) that are linked to self-control: Forgiveness, reliability, and goal achievement. Previous research has highlighted the role of self-control in forgiveness (Balliet et al., 2010; Pronk et al., 2010). Forgiveness is typical in strain-test situations: When faced with a partner’s transgression, people with high self-control are able to refrain from retaliation, and instead act constructively. Similarly, people with high self-control are able to be reliable and behave in a conscientious manner (e.g., completing assignments, fulfilling commitments) (Tangney et al., 2004). Finally, people with high self-control are good in achieving goal accomplishment (e.g., school achievement) (Tangney et al., 2004).

To increase the generalizability of our findings, in Experiment 4.2 we gathered data from married couples. We examined whether participants who observed their partner to be forgiving, reliable, or successful in his or her goal accomplishment, made dispositional inferences about their partner’s level of self-control (i.e., replicating Experiment 4.1), and whether perceived partner’s self-control influenced participants’ trust in their partner. To ensure that the relation between the interpersonal behaviors and trust was not attributable to alternative motivational processes, such as commitment and long-term orientation (Finkel, Rusbult, Kumashiro, & Hannon, 2002; Wieselquist et al., 1999), we also performed our main analyses controlling for commitment, long-term orientation, and partner appreciation.

Previous research has highlighted the role of trust in promoting commitment in close relationships (Murray, Holmes, & Collins, 2006; Wieselquist et al., 1999). Therefore, we examined whether people tend to be more committed in relationships with partners high in self-control than with partners low in self-control, and whether trust mediated the relation between the perception of the partner’s self-control and commitment. Because we collected data from both partners, this experiment also allowed us to examine the relation between people’s perception of their partner’s self-control and the partner’s self-reported self-control. To explore the impact of the partner’s self-reported self-control, we conducted the key analyses with participants’ perception of their partner’s self-control substituted for the partner’s self-reported self-
control. Finally, we explored the interplay between perceived ability (perceived self-control) and motivation (commitment, perceived long-term orientation, and perceived appreciation). Do they interact in predicting trust? Are they both necessary for trust to occur? Or can one of the two compensate for the lack of the other? Experiment 4.2 addressed these questions.

Method

Participants. Participants were partners in 185 heterosexual married couples. They were recruited via the municipalities in which they got married (for a description see Finkenauer, Kerkhof, Righetti, & Branje, 2009). Our data are from Time 3 of a three-wave longitudinal study. At Time 3, the mean age of husbands was 34.07 years and the mean age of wives was 31.20 years. Nearly all couples were Dutch (98.5% of the husbands and 96.4% of the wives). At the beginning of the study, 29% of the husbands and 25% of the wives had followed lower level education that prepares for blue collar work, 10% of the husbands and 9% of the wives had followed middle education that prepares for higher levels of professional work, and 54% of the husbands and 63% of the wives had followed higher education that prepares for university. Seven percent of the husbands and 4% of the wives reported having followed other types of education. Two percent of the husbands and 7% of the wives were not doing paid work. The modal level of working hours was 33 to 40 hours a week (69% of the husbands and 50% of the wives). Couples had been romantically involved for an average of 7.71 years (SD = 3.03), and had been living together for an average of 5.81 years (SD = 2.31). As payment for their participation, couples received €15.00 and a pen set.

Procedure. Partners in each couple independently completed an extensive questionnaire at home, in the presence of a trained interviewer. The questionnaire took approximately 90 minutes to complete. Partners were instructed not to discuss their questions or answers with each other and when possible partners were seated in separate rooms. We assessed perceived partner forgiveness using four items of the Brown (2004) Tendency to Forgive Scale adapted for ongoing relationships (4 items; e.g., “When my partner hurts or angers me, I am quick to forgive him or her”; 1 = do not agree at all, 5 = agree completely; α = .71), perceived partner reliability (3 items; e.g., “My partner is always on time”; α = .77) and perceived partner goal achievement (5 domains; e.g., “Since we met, my partner has experienced changes in his or her career; 1 = moved away from his/her ideal; 5 = moved toward his/her ideal; α = .74). As in Experiment 4.1, we used the adapted version of the Tangney et al. (2004) Self-Control Scale to assess perceived partner’s self-control (Finkenauer et al., 2005; α = .72), and we used the Rempel et al. (1985) instrument to assess trust in the partner (α = .89). Finally, we assessed commitment and partner commitment using the Rusbult et al. (1998) Scale (8 items; α = .93), perceived partner long-term orientation (1 item; “I know that my partner will always be there to support and encourage me”) and
perceived partner appreciation (4 items; “The longer our relationship lasts, the more my partner appreciates me.”; $\alpha = .65$).

Results and Discussion

Analysis Strategy. The data provided by two partners in a given relationship are not independent. Accordingly, we analyzed our data using hierarchical linear modeling (Raudenbush & Bryk, 2002). This technique accounts for the nonindependence of observations by simultaneously examining variance associated with each level of nesting. In our study, data from the two partners were nested within couple. Following recommended procedures for dyadic research, we represented intercept terms as random effects and represented slope terms as fixed effects (Kenny, Mannetti, Pierro, Livi, & Kashy, 2002).

Key Findings. To test our model (see Figure 4.1), we assessed whether: (a) the examined behaviors predicted trust in the partner; (b) the examined behaviors predicted perceived partner’s self-control; (c) perceived partner’s self-control predicted trust in the partner; and (d) perceived partner’s self-control was a mediator between the examined behaviors and trust.

First, we regressed trust on each behavior. Consistent with predictions, perceived partner forgiveness, perceived partner reliability, and perceived partner goal achievement were positively associated with trust ($\beta$s = .32, .47, and .27, all $p$s < .001). Second, we regressed perceived partner’s self-control onto each behavior. Perceived partner forgiveness, perceived partner reliability, and perceived partner goal achievement were positively associated with perceived partner’s self-control ($\beta$s = .28, .38, and .12, all $p$s ranged from .020 to < .001). Third, we regressed trust onto perceived partner’s self-control. Perceived partner’s self-control was associated with trust ($\beta$ = .44, $p$ < .001). Finally, when the examined behaviors and perceived partner’s self-control were all included as predictors of trust, perceived partner’s self-control was significant ($\beta$s = .38, .31, and .42, all $p$s < .001), whereas the effects of behaviors were reduced ($\beta$s = .22, .37, and .23, all $p$s < .001). A Sobel’s test revealed that perceived partner’s self-control partially mediated the effects of behaviors on trust ($zs$ = 4.76, 5.20, and 2.27, all $p$s ranged from .023 to <.001).

Auxiliary analyses. To ensure that the effect of the interpersonal behaviors on trust were mediated by perceived other’s self-control and not by alternative mechanisms (e.g., motivational processes associated with commitment), we performed the meditational analyses controlling for possible confounds, such as partner commitment, perceived partner long-term orientation, and perceived partner satisfaction. Results revealed that when controlling for alternative mechanisms, perceived self-control remained a significant mediator of the relation between the two behaviors (forgiveness and reliability) and trust ($\beta$s = .33 and .28, both $p$s < .001; Sobel test $zs$ = 4.81 and 5.49, both $p$s < .001). Furthermore, we assessed whether participants were more committed to
partners high in self-control than to partners low in self-control and whether trust mediated the effect of perceived self-control on commitment. Perceived partner’s self-control was positively associated with commitment ($\beta = .30, p < .001$), and trust was positively associated with commitment ($\beta = .57, p < .001$). When perceived self-control and trust were both included as predictor of commitment, trust was significant ($\beta = .54, p < .001$), whereas perceived self-control became nonsignificant ($\beta = .06, p = .208$). A Sobel’s test revealed that trust fully mediated the effects of perceived self-control on commitment ($z = 7.40, p < .001$).

We also examined the extent to which participants’ perception of their partner’s self-control corresponded to the partner’s self-reported self-control and whether the partner’s self-reported self-control influenced participants’ trust. Results revealed that perceived partner’s self-control and partner’s self-reported self-control were associated ($\beta = .18, p < .001$), indicating a moderate level of self-other agreement on this dimension. We also assessed whether the partner’s self-reported behaviors (forgiveness and goal achievement) were linked to participants’ perceptions of their partner’s self-control. Results revealed that partner’s self-reported forgiveness was associated with perceived partner’s self-control ($\beta = .21, p = .001$), whereas partner’s self-report of goal achievement was not associated with perceived partner’s self-control ($\beta = .05, p = .513$). Furthermore, partner’s self-reported self-control was not associated with trust ($\beta = -.09, p = .356$).

Finally, to investigate the interplay between perceived ability and motivation, we regressed trust onto perceived partner’s self-control, the motivation variables (i.e., partner commitment, perceived partner long-term orientation, and perceived partner satisfaction), and their interactions. Results consistently revealed a main effect of perceived self-control ($\beta$s = .47, .37, and .41, all $p$s < .001) and main effects of the motivational variables ($\beta$s = .26, .50, and .38, all $p$s < .001), but no significant interactions ($\beta$s = -.04, -.03, and -.04, all $p$s ranged from .418 to .322).

**Discussion.** Extending our findings to the context of ongoing close relationships, the findings of this experiment provided good support for the link between perceived trait self-control and trust. Consistent with the previous experiment, Experiment 4.2 showed that people infer the level of a partner’s self-control by observing behaviors that are diagnostic of self-control (forgiveness, reliability, and goal achievement). People’s perception of their partner’s self-control, in turn, influences their perception of the partner’s trustworthiness. These results held when controlling for partner commitment, perceived partner long-term orientation, and perceived partner satisfaction. Experiment 4.2 also showed that perceiving a partner to have high self-control is associated with greater commitment to that partner, because he or she is trusted more than a partner who is perceived low in self-control. Furthermore, although we found some agreement between partners regarding self-control, our findings indicate that the individual’s perception of partner’s self-control, rather than the partner’s self-reported self-control, is
the main predictor of trust. Finally, we did not find interactions between ability and motivation factors; perceived self-control and commitment independently predicted greater trust.

**Experiment 4.3**

Self-control is not only a dispositional trait that varies across individuals (Tangney et al., 2004), it can also vary across situations (Baumeister & Heatherton, 1996). Abundant research shows that when people exert self-control in one task, they deplete resources needed to exert self-control and, hence, have less self-control in a subsequent task. People might be familiar with and recognize these types of situations in which their own self-control resources are depleted. People know, for example, that, after having inhibited the urge to yell at their boss for an entire day, once at home, they are less able to control themselves during a fight with their spouse. Most likely people can also recognize depletion in others. Experiment 4.3 examined whether people detect that another person suffers from a temporary depletion of self-control, and whether this perception can, in turn, influence their trust in that person.

In this experiment, we gave participants information about an ostensible other participant whom they had never met before. We told them that the other participant had just performed a self-control task for 2 vs. 15 minutes. We assessed whether participants detected the other’s greater depletion of self-control after the 15 minutes task, as compared to the 2 minutes task, and whether this perception, in turn, influenced trust. Methodologically, we kept constant the role of motivational processes on trust by informing all participants that the other had a favorable attitude toward cooperation. Furthermore, to ensure that our findings were not attributable to alternative processes, we also statistically controlled for liking, closeness, the perception of the other’s mood and tiredness, and participants’ own mood.

**Method**

**Participants.** Participants were 43 individuals, 25 women and 18 men. They were recruited on the campus of the Vrije Universiteit Amsterdam, and were paid €2.00 for taking part in the experiment. Participants were 22.75 years old, on average. Upon arrival at the laboratory, we randomly assigned participants to one of two experimental conditions (depleted other vs. non-depleted other).

**Procedure.** Participants sat in a cubicle and were given the instructions. We informed them that, after performing an individual task, they would have to interact with another participant who was currently in the laboratory in another cubicle. We also told them that before this interaction, they would receive some information about him or her. After the instructions, the experiment started. First, participants replied to the Stapel and Koomen (2005) Cooperative-Competitive Orientation Questionnaire (13 items; e.g., “I like to see everyone do well in games”). Next, to induce the belief that the other
participant had a favorable attitude toward cooperation, we informed participants that the other participant’s answers on this questionnaire scored higher than the average on the cooperative scale. Because trust relies both on the perception of the trustee’s motivation and ability, the purpose of this procedure was to keep the factor motivation constant by letting participants know that the other person had generally good intentions toward others.

Subsequently, participants started the individual task. We told them that half of the participants would have to perform this task for 2 minutes and the other half for 15 minutes. We also reassured them that everybody would be fairly paid for the amount of time spent in the lab. We told all participants that they had randomly been assigned to the experimental condition in which they had to perform the task for only 2 minutes. For this task, participants watched a 2 minutes video (without sound) and were asked to form an impression of a woman being interviewed. Words appeared at the bottom of the screen for 10 seconds each (e.g., hair, sky, jump, brick). Participants were asked to focus their attention only on the woman and to actively ignore the words on the screen. Empirical experiments on self-control often use a seven minute version of this video as a depletion manipulation (DeWall et al., 2008; DeWall, Baumeister, Stillman, & Gailliot, 2007; Schmeichel, Vohs, & Baumeister, 2003; Vohs, Baumeister, & Ciarocco 2005; Vohs & Faber, 2007). The 2 minute version did not aim to deplete participants but to let them experience that this task required the exertion of self-control. Subsequently, participants received information about the ostensible other participant. In the depleted other condition, we told them that the other participant had just performed the task for 15 minutes. In the non-depleted other condition, we told them that the other participant had just performed the task for 2 minutes. We also explicitly mentioned that this task was the only task that the other participant had performed so far.

We then asked participants to reply to some questions about the other participant. We assessed perceived other’s self-control with a version of the Tangney et al. (2004) Self-Control Scale, adapting the items to measure state self-control (e.g., “At the moment, I think that the other participant would have a hard time breaking bad habits;” $\alpha = .80$). We assessed trust (3 items; “I think that the other participant can be trusted at the moment;” $\alpha = .81$), liking (1 item; “I like the other participant”), and closeness (1 item; “I feel close to the other participant”). We also assessed perceived other’s tiredness (3 items; “At the moment, I think that the other participant is tired;” $\alpha = .80$), perceived other’s mood and participants’ mood with the Brief Mood Introspection Scale (Mayer & Gaschke, 1988). Finally, we tested participants for suspicion; no participant stated that there was a link between the video task and trust questions.
Results and Discussion

Key findings. To check whether participants attributed lower state self-control to the other participant who performed the video task for 15 minutes than to the one who performed the task for 2 minutes, we performed an independent-samples t-test (depleted other vs. non-depleted other condition) on the perceived other’s self-control. As intended, in the depleted other condition the ostensible other participant was perceived to have less self-control ($M = 3.21$, $SD = 0.16$) than in the non-depleted condition ($M = 3.81$, $SD = 0.16$), $t(41) = 2.65$, $p = .012$.

To test whether participants trusted the non-depleted participant more than the depleted participant, we performed an independent-samples t-test (depleted other vs. non-depleted other condition) on trust. Consistent with predictions, the non-depleted other was trusted more ($M = 3.86$, $SD = 0.21$) than the depleted other ($M = 2.86$, $SD = 0.22$), $t(41) = 3.29$, $p = .002$.

We conducted mediation analyses using the bootstrapping method (Preacher & Hayes, 2004) to examine whether it is indeed the perception of the other participant’s self-control that underlies the effect of depleted vs. non-depleted other condition on trust. The bootstrap estimates are based on 5,000 bootstrap samples. The results revealed that the total effect of depleted vs. non-depleted other condition on trust (total effect = 1.46, $p = .002$) was reduced when the perception of self-control was included in the model (direct effect of depleted vs. non-depleted other = .66, $p = .034$). Furthermore, the analyses revealed that the total indirect effect was significant, with a point estimate of .34 and a 95% confidence interval (CI) of .02 to .87. Thus, perceived other’s self-control significantly, albeit partially, mediated the effects of depleted vs. non-depleted other condition on trust.

Auxiliary analyses. To examine whether participants liked a depleted or a non-depleted other more, we performed an independent-samples t-test (depleted other vs. non-depleted other condition) on liking. Results revealed no significant difference between the two conditions, $t(41) = 1.61$, $p = .116$. Furthermore, to ensure that the effect of our manipulation on trust was mediated by perceived other’s self-control and not by alternative mechanisms, we performed the meditational analyses with the bootstrapping method (Preacher & Hayes, 2008) controlling for other possible mediators, such as liking, closeness, perceived other mood, perceived other tiredness, and participants’ mood. Results revealed that when controlling for alternative mechanisms, the specific indirect effect of perceived self-control remained significant, with a point estimate of .37 and a 95% confidence interval (CI) of .06 to 1.03. Thus, perceived self-control remained a significant mediator in the relation between depleted vs. non-depleted other condition and trust.

Discussion. Experiment 4.3 replicated the link between perceived self-control and trust observed in the previous experiments. Extending the results of those experiments, Experiment 4.3 revealed that people are able to detect the temporary
depletion of the other’s self-control. The perception of depletion, in turn, influences the amount of trust on this person. These associations held when controlling for liking, closeness, perceived other mood, perceived other tiredness and participants’ mood.

**Experiment 4.4**

Experiment 4.4 sought to replicate the findings of Experiment 4.3 with the use of a behavioral measure, the trust game (Berg et al., 1995). In the trust game, participants decide whether to keep a monetary reward or to give some portion of it to another participant. If participants give (some portion of) the money to the other participant, the amount given to the other triples. The other participant can then reciprocate by returning as much money to the participant as he wishes or keep the money for himself. Because transferring money to the other participants is risky (there is no guarantee that the other will return any money), this is a typical strain-test situation.

The choice to transfer money is considered a signal of trust, in that giving money to the other means exposing oneself to the risk of exploitation by the other. In this situation, people might make one of two assumptions (Fetchenauer & Dunning, 2009): They might assume that the behavior of the other is mainly guided by self-interest, and that they won’t receive any money back, or they might assume that the other’s behavior is guided by altruistic motives, moral principles, or social norms, and that he will probably reciprocate. We expected that participants will give less money to a depleted other participant than to a non-depleted other participant because they do not trust him to be able to inhibit his immediate self-interest and instead adhere to broader principles, such as equality, justice, and altruism.

In this experiment, we replicated the procedure of Experiment 4.3, using a confederate to pose as the other participant to increase the credibility of our procedure. Importantly, we assessed trust both with the self-report measure and with the trust game. As in Experiment 4.3, to ensure that our findings were not be attributable to alternative processes, we also controlled for liking, closeness, the perception of the other’s mood and tiredness, and participants’ mood.

**Method**

**Participants.** Participants were 48 individuals, 32 women and 16 men. They were recruited on the campus of the Vrije Universiteit Amsterdam, and were paid €3.50 for taking part in the experiment. Participants were 21.07 years old, on average. The data from four participants were excluded because they did not follow the instructions (e.g., they did not leave the cubicle to meet the confederate when the computer instructed them to do so). Upon arrival at the laboratory, we randomly assigned
participants to one of two experimental conditions (depleted other vs. non-depleted other condition).

Procedure. The procedure and manipulation were identical to that of Experiment 4.3 with one exception: To make the situation more realistic, when participants finished the video watching task, they were introduced to a confederate, posing as the other participant. The confederate introduced herself to the participants telling them her first name and shaking their hand. Subsequently, the experimenter accompanied participants back to the cubicle to continue the experiment.

Our first dependent variable was a behavioral measure of trust toward the other participant. Following the Berg et al. (1995) trust game procedure, we told participants that they had the possibility to invest their reward for participating in this experiment by transferring part of it to the other participant, whom they had just met. We told them that if they decided to transfer the money to the other participant, then the experimenter would triple the transferred amount and the other participant would decide how much (if any) of the amount to transfer back to them. For example, if participants decided to transfer 2 Euros, we told them that the other participant would get 6 Euros and that she could decide how much money she wanted to transfer back to them. We told participants that they would get to know the amount of money that the other participant decided to transfer back to them at the end of the experiment. We then assessed perceived other’s self-control (α = .80), trust (α = .81), liking, closeness, perceived other’s tiredness (α = .80), perceived other’s mood, and participants’ mood as in Experiment 4.3. Last, we queried participants for suspicion. No participants stated that there was a link between the video task and trust questions.

Results and Discussion

Key findings. To test whether participants attribute lower state self-control to the other participant who performed the video task for 15 minutes than to the one who performed the task for 2 minutes, we performed an independent-samples t-test (depleted other vs. non-depleted other condition) on the perceived other’s self-control. Results revealed that in the depleted other condition the participant was perceived to have less self-control (M = 3.51, SD = 0.14) than in the non-depleted condition (M = 3.94, SD = 0.12), t(42) = 2.40, p = .021. To examine whether participants trusted the non-depleted participant more than the depleted participant, we performed an independent-samples t-test (depleted other vs. non-depleted other condition) on the two measures of trust, the self-report measure and the trust game4. On the self-report measure, consistent with our predictions, the non-depleted other was trusted more (M = 3.58, SD = 0.27) than the depleted other (M = 2.50, SD = 0.30), t(42) = 2.70, p = .010. Furthermore, participants allocated more money to the non-depleted other (M = 1.68, SD = 0.18) than to the depleted other (M = 1.05, SD = 0.20), t(42) = 2.36, p = .023.
We conducted mediation analyses using the bootstrapping method (Preacher & Hayes, 2004) to examine whether perceived other’s self-control mediates the effect of depleted vs. non-depleted other condition on trust. The bootstrap estimates are based on 5,000 bootstrap samples. Examining the self-report measure of trust, the results revealed that the total effect of depleted vs. non-depleted other condition on trust (total effect = 1.08, \( p = .010 \)) was reduced when the perception of self-control was included in the model (direct effect of depleted vs. non-depleted other condition = .60, \( p = .115 \)). Furthermore, the analyses revealed that the total indirect effect was significant with a point estimate of .48 and a 95% confidence interval (CI) of .05 to 1.09.

For the trust game, the results revealed that the total effect of depleted vs. non-depleted other condition on trust (total effect = .63, \( p = .023 \)) became non-significant when perception of self-control was included in the model (direct effect of depleted vs. non-depleted other condition = .38, \( p = .159 \)). Furthermore, the analyses revealed that the total indirect effect was significant with a point estimate of .25 and a 95% confidence interval (CI) of .02 to .57. Thus, perceived other’s self-control fully mediated the effects of depleted vs. non-depleted other condition on the two measures of interpersonal trust.

**Auxiliary analyses.** To test whether participants liked a depleted or a non-depleted other more, we performed an independent-samples t-test (depleted other vs. non-depleted other condition) on liking. The two conditions did not differ significantly from each other, \( t(42) = 0.31, p = .760 \). Furthermore, to ensure that the effect of our manipulation on trust was mediated by perceived other self-control and not alternative mechanisms, we performed the meditational analyses with the bootstrapping method (Preacher & Hayes, 2008) controlling for other possible mediators, such as liking, closeness, perceived other mood, perceived other tiredness, and participants’ mood. Results revealed that when controlling for alternative mechanisms, the specific indirect effect of perceived self-control remained significant with a point estimate of .37 and a 95% confidence interval (CI) of .01 to 1.05 for the self-report trust and with a point estimate of .28 and a 95% confidence interval (CI) of .05 to .76 for the trust game. Thus, perceived self-control remained a significant mediator in the relation between depleted vs. non-depleted other condition and self-report trust.

**Discussion.** Experiment 4.4 replicated the findings of Experiment 4.3. Participants detected another person’s depletion of self-control and this influenced their judgment of the other’s person trustworthiness with a self-report measure. As an important extension of Experiment 4.3, participants trusted (specifically, invested less money in) a depleted other less than a non-depleted other in a strain-test situation. This finding indicates that people use the perception of another person’s depletion of self-control to gauge how much they can trust the other in the presence of conflicting interests and this perception has behavioral consequences. This effect held even when
statistically controlling for liking, closeness, perceived other mood, perceived other tiredness, and participants’ mood.

**General Discussion**

Why are some people trusted more than others? How do people know on whom to rely? The present research addressed these questions by turning to the perception of one characteristic of the trustee, namely his or her self-control, as a determinant of trust.

The first two experiments demonstrated that people who are perceived to possess high dispositional self-control are trusted more than people who are perceived to possess low dispositional self-control. Experiment 4.2 examined how people form an impression of another person’s trait self-control. This experiment revealed that the observation of three behaviors diagnostic of self-control (forgiveness, reliability, and goal achievement) affects people’s assessment of their partner’s trait self-control. Experiments 4.3 and 4.4 revealed that people can detect the temporary depletion of self-control in another person which, in turn, influenced their judgment of the other person’s trustworthiness. Furthermore, the association between perceived self-control and trust was shown in the context of an interaction with a stranger (Experiments 4.1, 4.3 and 4.4) as well as ongoing, close relationships (Experiment 4.2), highlighting the generalizibility of the effect. Given the role that motivational factors can have on trust (e.g., commitment or cooperative attitude) (Holmes & Rempel, 1989; Wieselquist, et al., 1999; Schlenker, Helm & Tedeschi, 1973), we ensured that our findings were evident while statistically or methodologically controlling for motivational factors. Finally, our experiments revealed that, in ongoing relationships, people are more committed to high self-control others than low self-control others and this relationship is mediated by trust (Experiment 4.2). Yet, in interactions between strangers, people like high self-control others and low self-control others equivalently (Experiments 4.1, 4.3, and 4.4).

**Implications and Future Research**

Trust is a dyadic phenomenon in which partners’ motives, goals, and dispositions mutually influence and transform each other. Previous studies have mainly focused on characteristics of the trustor that make her prone to trust others (see Simpson, 2007 for a review) and relationship processes that enhance trust (Holmes & Rempel, 1989; Wieselquist et al., 1999). Less attention has been paid to characteristics of the trustee that make people prone to trust her. To our knowledge, the present work is the first to examine self-control as a key characteristic of trustees that influences the perception of their trustworthiness.

Trust arises in interdependent situations that involve risk, and in which the individual can freely choose whether to rely upon the other. Our findings revealed that
high self-control others, because they are considered to be less risky partners, are more often chosen as those on whom people rely. In situations in which the interests of two individuals align, a high self-control individual can forgo behavioral impulses and can choose from different behavioral alternatives the one that is most likely to lead to the best possible outcome for both partners (e.g., Baumeister et al., 1996; Tangney et al., 2004). In situations in which the interests of two individuals diverge, high self-control people can forgo their direct self-interest and act in a more flexible manner, taking into account broader considerations (e.g., relationship considerations, moral or contextual standards, long-term interests) (Balliet et al., 2010; Finkel & Campbell, 2001; Pronk et al., 2010). This behavioral flexibility makes high self-control people trustworthy partners because they are perceived as having the ability to select and act upon the behavioral options that are most beneficial for the relationship.

Future research should investigate the interplay of motivation and ability, examining whether one factor might be a stronger predictor of trust depending on the characteristics of the situation. For example, in situations in which the interests of two individuals correspond, the motivational factor may not play a strong role because people might assume that the other is willing to act in the interest of both individuals. In these situations, self-control, and the related behavioral flexibility that allows people to select the best course of action, may be especially diagnostic for trust.

On the contrary, in strain-test situations, in which the interests of two individuals diverge, both ability and motivation may play an important role. Self-control is regarded as an ability factor, in that it enables the self to respond according to some standards. Self-control is rooted in the desire of being accepted by others, however (Baumeister & Vohs, 2007; Rawn & Vohs, in press), and most of the time, it serves a prosocial motivation, which leads to positive outcomes for the relationship. People may implicitly know this and, in general, expect a prosocial response from high self-control others. Future research should explore situations in which the motivational factor may lead people to perceive greater self-control as a gauge for distrust. For example, when an individual perceives that the other has the motivation to harm the self (e.g., in a competitive setting), a high self-control individual might be perceived as potentially more dangerous and capable than a low-self control other, and, therefore, be distrusted.

Our research supports existing studies that highlight the importance of self-control in long-term relationships. In particular, the perception of a partner’s self-control seems to play a fundamental role in the development of long-term relationships. Previous research has shown that self-control enables people to perform pro-relationship behaviors (Balliet et al., 2010; Finkel & Campbell, 2000; Pronk et al., 2010; Ritter et al., 2010; Vohs & Baumeister, 2010) that, once perceived by the partner, strengthen the dependence on the partner and the commitment of the couple (Wieselquist et al., 1999). Experiment 4.2 demonstrates that behaviors that require self-control signal that the partner has this trait, which results in higher trust toward the partner. Consistent with
Murray et al. (2006) and Wieselquist et al. (1999), our findings also show that trust, in turn, increases commitment. People might decide to increase dependence and commitment toward high self-control others because high self-control others are perceived to be trustworthy partners who are likely to succeed in strain-test situations.

Moreover, perceiving self-control in a partner may favor relationships because exerting self-control can be contagious. Perceiving someone exerting self-control activates the same goal in the perceiver, enhancing his or her self-control (Ackerman, Goldstein, Shapiro, & Bargh, 2009). Such a contagion of self-control may be functional in relationships and conducive to relationship well-being. Indeed, Vohs, Finkenauer, and Baumeister (in press) showed that relationship well-being is especially high when both partners have high levels of self-control.

It is notable that in our research, the perception of a stranger’s self-control did not affect liking or any other evaluative attitude toward that person. Thus, although a stranger with high self-control is trusted more, he or she is not liked more than a stranger with low self-control. This is in line with previous research showing that high self-control may also have interpersonal costs. Individuals high in self-control are perceived as being less spontaneous, less extraverted, and less open to experience than individuals low in self-control (Stillman & Alquist, 2007; Zaelina, Robinson, & Anicha, 2007; see also Rawn & Vohs, in press). Thus, the perception of high self-control seems to have positive effects for the development of long-term relationships (i.e., enhanced commitment), but it may have mixed effects (increase trust but decrease appeal) for superficial relationships (e.g., interactions between acquaintances).

**Strengths and Limitations**

Before concluding, we should acknowledge some limitations of the present research. First, we expect that in the absence of specific information about another person’s motivations, perceived self-control will lead to greater trust. Yet, only Experiment 4.1 provided participants with a neutral context in which they did not have knowledge about the other participant’s attitude. All the other experiments were conducted in a setting that favored participants’ expectation of positive motives from the other. People in close relationship may assume that the partner is willing to take their well-being into account (Experiment 4.2), and in Experiments 4.3 and 4.4, we told participants that the other had a positive attitude toward cooperation. Thus, our findings showed the link between perceived self-control and trust especially in a context of cooperation and positive motives.

Second, the sample of behaviors examined in Experiment 4.2 was limited. In future research, it would be interesting to examine how perceptions of self-control vary across different self-directed behaviors (e.g., alcohol use, exercise behavior) and other-directed behaviors (e.g., accommodation). Also, it may be interesting to examine whether perceptions of self-control vary depending on whether the other person inhibits
undesirable behavior (e.g., smoking, unsafe sex) versus engages in desirable behavior (e.g., eating healthy food) and whether this difference affect trust.

Finally, our experimental procedures allowed us to disentangle participants’ inferences of trait self-control from state self-control. Indeed, many situations may allow people to differentiate between the two types of self-control. However, there may be situations in which the observation of self-controlled behavior might lead to the conclusion both that the person has high trait self-control (and therefore he or she is trustworthy) and that the person is low in state self-control (and therefore cannot be trusted). Imagine, for example, that John has a new colleague, Mary. Everybody knows that Mary does not like the new job but that, nevertheless, she handles her work duties in a careful, meticulous, and thorough way. Right after work, in private life, will John trust Mary because she showed behavior indicating high dispositional self-control, or will John distrust her, because Mary has probably depleted her self-control resources at work?

Distinguishing between trait and state self-control may be particularly relevant for people who do not share relationship history. Future research should investigate which inference is more likely to occur when the situation allows for both kinds of interpretations. We know from research that people are prone to infer a trait from the observation of a behavior (Jones & Davis, 1965), and that people tend to overestimate the impact of dispositional causes and underestimate the impact of situational causes on other people’s behavior (Ross, 1977). Therefore, it is plausible that people will be more likely to use the inference of trait self-control (dispositional cause) rather than state self-control (situational cause) to determine trustworthiness.

Several strengths of this work should also be acknowledged. The link between perceived self-control and trust has been replicated in four experiments using diverse research methods and different samples. We have examined both perceived trait and state self-control. In most experiments, we have both measured and manipulated perceived self-control and, through mediation analyses, we ensured that perceived self-control was a driving mechanism between our manipulations and trust. We also performed analyses that controlling for possible confounds and alternative explanations. Finally, we used diverse measurements of trust: in the context of close relationships, we assessed trust with the Rempel et al. instrument (1985), in the context of interactions between strangers we assessed trust with a self-report measure and with an economic game (Berg et al., 1995).

Conclusions

Trust is a complex phenomenon that involves two or more individuals. There are multiple reasons why people trust each other. The present work illuminates one important reason — the perception of another person’s self-control — which influences people’s decision to trust and rely on the other. While previous research has studied the
trustor’s characteristics (see Simpson, 2007, for a review), our work highlights the role of the perception of the trustee’s characteristics. Results from four experiments showed that people recognize another person’s level of self-control, both as a dispositional trait and as a temporary state, and use it to determine that person’s trustworthiness.

Interpersonal interactions can be challenging. They often require efforts to refrain from acting in an impulsive, self-interested manner and instead act according to relationship standards. Not surprisingly people high in self-control are judged to be trustworthy partners: they are able to adhere to the relationships standards.
Footnotes

1 Pronk et al. (2010) found that high levels of executive functioning are associated with less attention to alternatives and with greater forgiveness in relationships. Executive functioning is closely associated with self-control. It has been argued that self-control is one of the self’s major executive functions. Thus, to a certain degree, the two concepts overlap (Barkley, 2001; Baumeister, Schmeichel, & Vohs, 2007; Hayes, Gifford, & Ruckstuhl, 1996), and we can assume that if these behaviors are associated with executive functioning, they will also be associated with self-control.

2 Of course, although in most situations self-control will signal the possibility of a prosocial behavior and, therefore, will increase trust, there are boundary conditions to this assumption. In some situations, the perception of self-control may, on the contrary, impair trust. This is likely to be the case in settings in which the individual might assume that the partner wants to adhere to some standards that will have negative outcomes for the individual (e.g., competitive setting). In this case, higher self-control may be associated with greater distrust. We will further elaborate this point in the General Discussion.

3 We could not investigate the link between partner’s self-report reliability and participants’ perception of partner self-control because in the questionnaire we did not assess self-reports of this variable.

4 The self-report measure and the trust game were highly correlated with each other ($r = .59, p < .001$), indicating that both measures tap into the same construct.
Appendix A

Stimulus Material for Experiment 4.1 (Translated from Dutch)

High Self-Control Behavior Condition

“Lately I have some money problems…it’s not that I’m in debt, but I definitely need to save some money for my further education which is really important for me! Last Wednesday I was around the city having a walk and I ended up in my favorite Music shop. I was having a look at all the cool CDs available and at the new entries, but eventually I did not buy any CD.”

Low Self-Control Behavior Condition

“Lately I have some money problems…it’s not that I’m in debt, but I definitely need to save some money for my further education which is really important for me! Last Wednesday I was around the city having a walk and I ended up in my favorite Music shop. I was having a look at all the cool CDs available and at the new entries and I ended up buying many new CDs.”