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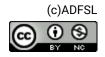
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### The Role of Power and Negotiation in Online Deception<sup>\*1</sup>

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### ABSTRACT

The purpose of this paper is to advance theoretical understanding of the important role of both power and negotiation during online deception. By so doing, the paper provides insight into the relationship between perpetrator and victim in Internet fraud. The growing prevalence of Internet Fraud continues to be a burden to both society and individuals. In an attempt to better understand Internet fraud and online deception, this article attempts to build an interactive model, based upon the dimensions of power and negotiation from the management and psychology literature. Using the model presented, the article examines the effects of the Internet on the communication process that takes place between perpetrator and victim. Finally, the article discusses some of the major tactics employed to appeal to each power type in predominant fraud forms, as well exploring future types of fraud.

Keywords: Internet, fraud, cybercrime, power, negotiation, deception

### **1. INTRODUCTION**

Over the last several decades, the subject of fraud has received substantial attention in nearly all fields of management. Frauds such as Enron, WorldCom, Tyco, and Adelphia have resulted in a mistrust of the United States accounting standards and profession, causing accounting rule makers and government regulators to reevaluate and reestablish basic accounting

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procedures (Apostolon and Crumbley, 2005). Large frauds around the world such as Parmalat, Harris Scarfe, HIH, Royal Ahold and SK Global show that these disasters are not just occurring in the United States, but are prevalent throughout the world. One conservative estimate suggests that organizations in the United States lose more than six percent of their total revenue as a result of various types of fraud (Association of Certified Fraud Examiners, 2004).

As described above, fraud has a large impact on society. However, in the last few years, as a result of technology and the explosive growth of the Internet and e-commerce, Internet fraud has become a major concern for consumers, merchants, and governments (Balsmeier et. al., 2004, National White Collar Crime Center et al. 2004). Gartner estimates that growth in electronic commerce and online financial services during the next three years alone will be one to three percentage points lower than if people had improved online protection. In the 12 months prior to May 2005, within the United States alone, 2.4 million people lost \$929 million to Internet fraud (Richmond, 2005). Many of these on-line consumer frauds are aimed at the uneducated, unaware, elderly, or immigrants, preying upon the most weak and susceptible of society (Locovich, 2005; Marlowe and Atiles, 2005). In the past, committing fraud was more difficult and resulted in paper trails and other physical evidence. However, today a perpetrator can steal, conceal, and transfer assets with only the click of a mouse.

Almost daily, new frauds and scams arise using the Internet and other technological advances as the tools to perpetrate the crimes. Individuals throughout the world are approached with fraudulent business deals, false money transfers, and other misleading exchanges in chat rooms, by email, on Internet pop-ups, or during Internet auctions. It has been suggested that 3 main areas of fraud exist on the Internet: securities law violations, crime and fraud in electronic commerce, and deceitful acts by Internet companies or individuals (Baker, 2002).

Internet fraud perpetrators exert considerable effort in order to influence and gain power over their faceless victims. An individual in a Internet chat room who claims to have private information about a public company, citizens of Nigeria who claim to have access to substantial funds, or illegitimate companies who con consumers into providing personal financial information are all examples of perpetrators' attempts to gain power over unwary victims.

Given the enormous costs of fraud and the growing prevalence of Internet fraud, the goal of this research is to advance theoretical understanding of the power that perpetrators use when influencing victims via the Internet. Specifically, the research proposes an interactive model combining the dimensions of power and negotiation from the management and psychological literature and applying it to the fraud process. The article then goes on to explain the role of the Internet and other technological advances on fraud using this model.

It has been suggested that there are two primary methods used to get something from others illegally: physical force and deception (Albrecht, et. al., 2006). Fraud is defined as:

A generic term, and embraces all the multifarious means which human ingenuity can devise, which are resorted to by one individual, to get an advantage over another by false representation. No definite and invariable rule can be laid down as a general proposition in defining fraud, as it includes surprise, trickery, cunning and unfair ways by which another is cheated. The only boundaries defining it are those, which limit human knavery (Webster's New World Dictionary, 1964).

### 2. EXISTING MODELS OF FRAUD

Classic fraud theory explains the motivations for fraud as a triangle of perceived opportunity, perceived pressure, and rationalization, as shown below:

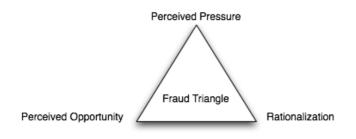


Figure 1. Fraud Triangle

The initial contributor to this model was Edwin Sutherland in his 1949 book, *White Collar Crime*, for which he is credited with coining the term. According to Sutherland, white-collar crime is different from street crime in many ways. It is committed by those of high status and power, it often involves violation by a trusted person in professions such as medicine, law, accounting, banking and business, and it is usually committed by individuals who do not see themselves as criminals. White-collar crime is believed to occur more frequently in large, rather than small businesses, and the general assumption is that prosecutors and judges are more lenient on white-collar criminals than on street-level criminals.

One of Sutherland's most famous students was Donald Cressey who wrote the book, *Other People's Money* (1953). In the studies on which his book is based, he conducted interviews averaging 15 hours in length with 133 prison inmates who had been convicted of embezzlement. This book, published in 1953, is an investigation of the social psychology of the violation of trust, a subject that Cressey was concerned with throughout his career. By a procedure known as analytic induction, he developed a general statement about embezzlement

behavior. Although not claiming predictive power for the theory, he established three conditions, all of which must be present for the crime to take place. The persons must have: (1) financial problems defined as non-sharable, (2) an opportunity to violate trust, (3) rationalization of the act.

Albrecht et al. (1979, 1981) introduced Sutherland's and Cressey's work into the business literature. They concluded that Cressey's three factors were on target and labeled them as the fraud triangle. They further concluded that the three factors worked together interactively so that if more of one factor were present, less of the other factors needed to exist for fraud to occur. One of the main limitations of this model is that it only describes the factors that influence the perpetrator, and does not discuss the relationship between perpetrator and victim. Nor is the fraud triangle specific to online deception. Rather, it is an allencompassing model to explain the variables involved when someone is involved in any type of fraud.

Unfortunately, research investigating online deception is limited (Nikitkov and Stone, 2006). Some of the most common online deception tactics are based on the Bowyer (1982) and Bell & Whaley (1982, 1991) taxonomy of cheating and deception. Johnson et al (2001), as well as Grazioli and Jarvenpaa (2000, 2003a, 2003b) have applied the taxonomy to classify the various techniques employed in Internet deception. In addition, recent research into online deception has addressed specific types of fraud such as auction fraud (Chua and Wareham 2004), spoofing (Diney, 2006), and spamming (Hann et al, 2006). However, much of this recent research lacks any explicit theoretical explanation, but describes the phenomenon on a surface level. As an exception, Pavlou and Gefen (2005) examine how online fraud, combined with many other factors such as trust, institutional structures, trust in community of sellers, and past buying experience can lead to psychological contract violations between the buyer and seller and thereby influence purchasing behavior. Finally, some of the literature from the economics field has investigated incentives for fraudulent behavior as well as possible changes to legal structures that would change these incentives (Snyder 2000, Bywell and Oppenheim 2001).

While prior literature has addressed various aspects of online fraud such as common deception techniques, we only have a limited theoretical understanding of the relationship between perpetrator and victim in an online environment. The Internet presents a unique set of circumstances for consumers in that it does not provide the normal social or spatial cues that they typically use to estimate the risk of fraud. Moreover, online fraud is a covert crime, and society often places less emphasis on the prosecution of these nonviolent crimes. In addition, Internet frauds tend to be of moderate nominal amounts to minimize scrutiny, and often cross legal jurisdictions, thereby reducing the motivation or ability of authorities to prosecute them (Chua and Wareham, 2004). As a result of the nature of this relatively novel medium, we argue for the need for a specific theory that addresses the relationships between the potential perpetrator and the potential victims of fraud as it is facilitated through the Internet.

Our paper proceeds by proposing an interactive model, based on French and Raven's framework on power, to explain the relationship that takes place between perpetrator and victim. Online deception is different from other types of fraud in that it is necessary for the victim to submit to the will of the perpetrator in order for a perpetrator to be successful. In this sense, a negotiation must take place. In the following section we discuss negotiation, its definition, and its role in the process of online deception.

### **3. DEFINITION OF NEGOTIATION**

Negotiation has been defined as "an interpersonal decision-making process by which two or more people agree how to allocate scarce resources" (Thompson, 2000). Both researchers and practitioners have spent much time and resources to better understand the negotiation process (Lewicki, et. al., 1999) and its' various influences, including the negotiators' bargaining history and its' effects on future negotiation performance (O'Conner et. al., 2005). When a fraud takes place, the fraudulent transaction can be described as a negotiation. In the fraud setting, the perpetrator and victim make an interpersonal decision to allocate resources, with the victim transferring resources to the perpetrator (often for some promised return or false representation). When the fraud takes place, from both the perpetrators and the victims' perspectives, a successful negotiation has taken place. It usually isn't until some time later that the victim learns that he or she has been deceived into a fraudulent negotiation.

*Proposition 1: When a fraud takes place, the victim believes he or she has participated in a successful negotiation.* 

### **4. DEFINITION OF POWER**

Since the process of negotiation and its effect on individuals and transactions was first introduced into the psychology literature, one of the fundamental variables that has been studied has been that of power (Marwell et al., 1969). Power is a critical factor and fundamental element for success in the negotiation process (Kim et. al., 2005). Weber (1947) introduced power as the probability that a person can carry out his or her own will despite resistance. When a fraud takes place, the perpetrator has the desire to carry out his or her will – taking advantage of the victim through deceit – regardless of resistance. Most of the power literature since Weber's time has supported his basic definition (Bacharach & Lawler, 1980). In order to understand power, French and Raven (1959) introduced a framework that has, arguably, become the most commonly referenced appraisal with regards to power in the management literature (Kim et. al, 2005).

Proposition 2: Understanding the relationship between power and negotiation in the fraud process can help researchers and practitioners understand, research, and evaluate fraudulent transactions more fully.

French and Raven (1959) propose that power is comprised of five separate variables, each stemming from the different aspects of the relationship between the actor and the actor's target of influence. It has been said that these five power bases have stood the test of time (Dapiran and Hogarth-Scott, 2003). Specifically, French and Raven suggest that A's power over B is determined by (1) A's ability to provide benefits to B (reward power), (2) A's ability to punish B if B does not comply with A's wishes (coercive power), (3) A's possession of special knowledge or expertise (expert power), (4) A's legitimate right to prescribe behavior for B (legitimate power), and (5) the extent to which B identifies with A (referent power). Using these five definitions it is possible to divide power into various categories and create five subtypes of power. Figure 2 presents the five types of power.

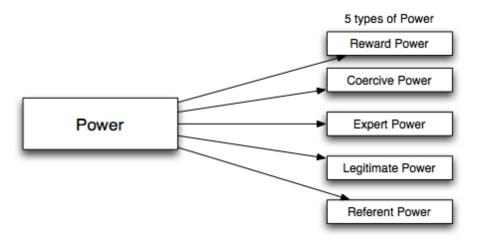


Figure 2: Five Types of Power

This model explains the types of power that are used in the relationship between the actor and the actor's target of influence. However, recent research on these types of power in the negotiation process has shown that it is perceived power, rather than actual power, that affects the outcome of any given negotiation (Wolfe and McGinn, 2005). Even if A doesn't actually have power over B, if B perceives A to have power, then it is as if A truly has power in the negotiation process. Hence these five types of power can be classified as perceived reward power, perceived coercive power, perceived expert power, perceived legitimate power, and perceived referent power. In this paper, we introduce the idea that, applied to fraud, perceived power is used as a means to influence the negotiation between the perpetrator and the victim. As can be seen above, the perpetrator must deceive the victim into negotiating using one of the five types of perceived power.

Proposition 3: To fully comprehend the role of power in fraudulent transactions, it is necessary to interpret the five different types of power as perceived power.

Perceived reward power is the ability of the perpetrator to convince the victim that he or she will provide the desired benefits through a negotiation. The promise of a monetary reward for participation in a Nigerian money scam, the promise of validation of personal information in a phishing operation, or the promise of high-paying jobs as a bogus mystery shopper are all examples of reward power.

Perceived coercive power is the ability of the perpetrator to make the victim perceive potential punishment if he or she doesn't participate in the negotiation. This potential punishment is usually based on fear (Politis, 2005). If the victim perceives that the perpetrator has the ability to punish him or her in any way the perpetrator begins to exercise a form of coercive power over that individual. Perceived coercive power is a tool often used by CEOs, CFOs, and other executives when a financial statement fraud takes place. Executives will often use coercive power to influence employees and others to participate in the fraud. These individuals fear they may lose their jobs, or be discriminated if they do not participate. Perpetrators can use coercive power, via the Internet, in at least four ways (1) by gaining personal information about the victim through spoofing, sniffing, or data theft, (2) through processes such as click through frauds or other physical fraudulent means, (3) deceiving the victim to believe that the perpetrator can do physical harm to them, and (4) persuading the victim that if they do not act now the opportunity will be lost.

Perceived expert power is the ability of the perpetrator to use influence through means of expertise or knowledge. Examples of frauds that involve perceived expert power include perpetrators who claim to have access to non-public or other sensitive information or perpetrators who claim to have a special knowledge of a given activity. Deceiving a victim into believing that a perpetrator has expert knowledge or expertise is using expert power to influence a victim. In one of the most well known frauds of all time, Charles Ponzi conned victims into believing that he had expert knowledge in foreign postal coupons. Charles Ponzi claimed that he could make significant profit for investors by purchasing stamps in Spain for about 1 cent (N.Y. Times, 1920) and selling them in America for six cents. Using this "expert knowledge" he deceived individuals out of millions of dollars and gave birth to the popular phrase "Ponzi Scheme."

Perceived legitimate power is the ability of a perpetrator to convince victims that he or she has some form of real power over them. Often, this type of fraud involves individuals claiming to represent the individual's church, community,

or organization. The perpetrator assumes some form of authoritative role and convinces the victim that such authority is legitimate. An example of this type of fraud is the "Greater Ministries" fraud. Individuals were told to invest money into programs such as the "Double Your Money" program and the "Faith Promises Program." Members of the congregation were promised that they would double their money in just 17 months. The fraud involved over 18,000 individuals who lost more than \$448 million. In 2001, five leaders of the Greater Ministries International Church were convicted in United States federal court on a total of 72 counts of conspiracy, wire and mail fraud, and money laundering (Gibelman and Gelman, 2003).

Perceived reference power is the ability of the perpetrator to relate to the target of influence. Perpetrators will build relationships of confidence with a victim via an Internet chat room or other media. Perpetrators often use perceived reference power to gain confidence from victims and deceive them into fraud. Perceived reference power is possible because perpetrators characteristics, unlike other criminals, are very similar to the general population's characteristics (Romney, 1980). When fraud does occur, one of the most common reactions by those around the fraud is denial. Victims can't believe that he or she, a trusted friend, would deceive them and behave dishonestly (Albrecht, 2006).

### **5. DECEPTION**

There are many cases where deception has been used in the negotiation process (Schweitzer, 1997). Not only is deception a part of many negotiations, but it has also been suggested that deception increases as the incentives for performance increase (Tenbrunsal, 1998). Deceitful negotiation has been used to fraudulently manipulate individuals throughout history. In the negotiation process it is deception that allows the perpetrator to falsely exercise power over the victim. The theory of deception identifies seven operational tactics employed to deceive a victim (Grazioli and Jarvenpaa 2003b; Johnson et al. 2001). As a primarily tactical model, it compliments our model of power types, suggesting the specific mechanisms that the con artist may employ to realize specific power forms over the victim.

For example, research suggests that con-artists pretending to be businesses prefer masking, and relabeling, thereby achieving expert and legitimate power (Grazioli and Jarvenpaa, 2003a). Specifically focused on the Internet, Grazioli and Jarvenpaa (2000) studied the effectiveness of dazzling, inventing, and relabeling for disguising fraudulent web sites, often used to achieve reward, expert and referent power.

Tactic	Definition
Masking	Hiding or destroying critical information
Dazzling	Disguising critical information
Decoying	Distracting the victim's attention away from critical
	information.
Mimicking	Assuming someone else's identity, or impersonating someone
	else.
Inventing	Making up information.
Relabeling	Presenting information in a misleading way.
Double play	Suggesting to the victim that the victim is taking advantage of
	the deceiver.

# **Table 1.** Available Tactics in the Theory of Deception(Grazioli and Jarvenpaa 2003b)

### 6. POWER AND DECEPTION ON THE INTERNET

Along with the developments in the Internet, opportunities to commit fraud and unethical acts have become more available. The Internet has created opportunities to exert perceived power and negotiation skills that were unheard of 20 years ago. And as technology continues to advance, perpetrators find new means and ways to deceive individuals and commit fraud.

*Proposition 4: The Internet has become a significant, new instrument in the negotiation process between perpetrators and victims.* 

According to U.S. Federal Bureau of Investigation statistics (2004), the majority of perpetrators of Internet fraud make contact with the victim through e-mail (63.5%) or a webpage (23.5%). Internet auction fraud was by far the most common (71.2%), but in terms of the size of the losses, check fraud (\$3,600), Nigerian letter fraud (\$3,000), and confidence fraud (\$1,000) were the largest.

It has been suggested that fraud like other crime, can best be explained by three distinct factors: (1) a supply of motivated offenders, (2) the availability of suitable targets, and (3) the absence of capable guardians (Cohen and Felson, 1979; Krambia-Kapardis, 2001).

First, the Internet supplies a gathering place for an endless supply of offenders. The connectivity and global reach provided by the Internet means that these offenders can be anywhere in the world and through the Internet can communicate with anyone. Communication through email, the primary method of contacting victims, is instantaneous and practically free due to low transaction costs. The Internet also allows offenders the ability to easily customize their scams to individual users and the flexibility to quickly change the scam once it is discovered. In auctions alone, Chua and Wareham (2004) identified 11 different types of fraud, and state that "con artists know that

developing specialized fraud schemes increases their profits while minimizing their risk of capture" (p. 33).

Second, the Internet supplies numerous suitable targets. Victims can be approached through e-mail, chat rooms, pop-up adds, websites and numerous other media via the Internet. Web sites like eBay, with its 181 million registered users worldwide, provide offenders with easy access to a large number of potential victims. However, access to potential victims is not exclusive to the Internet. Perpetrators of fraud can obtain personal information in a number of ways, including: stealing wallets, purses or credit cards; stealing mail or through sending a fraudulent address change form; through viruses or spyware; or through unsolicited emails or telephone calls, and in over half the cases the offender has a prior relationship with the victim (Diller-Haas, 2004).

Third, the Internet provides a perfect scenario for fraudulent activity with few The Internet has no boundaries; it crosses or no capable guardians. communities, cultures, and countries. Much fraud crosses national and international legal jurisdictions, and, hence, perpetrators have little risk of getting caught or punished. For example, while many states within the United States have statutes relating to cybercrime such as money laundering, identity theft, online gambling, and cyber stalking, there is no standard and the rules vary from state to state (Brenner, 2001). Because most of these statutes were written before the Internet existed, the statutes only relate to property, computer, or other types of illegal acts and do not specifically address cybercrime. Fraud is a covert crime, making collection of evidence for prosecution difficult; it is nonviolent so it receives less evidence by society and lower priority by law enforcement; most Internet frauds are small and thus victims have little incentive to prosecute; and when offenders are caught they often receive light sentences (Chua and Wareham, 2004).

Proposition 5: Fraud is becoming more widespread because the Internet supplies a gathering place for an endless supply of offenders, offers numerous suitable targets, and provides a scenario for fraudulent activity with few or no capable guardians.

### 7. A COMPREHENSIVE MODEL

To understand the interaction between power, negotiation, and the Internet, the following model is presented. On the left are French and Raven's five types of power. The offender will use the five types of power to deceive the victim into the negotiation. The middle box represents deception, which is enhanced through technological advances, such as the Internet, electronic commerce, or any other technological media used for communication. The right hand box represents the victim, including the victim's emotions that the perpetrator will try to manipulate and use in the deception process. The successful negotiation is the final outcome of the perpetrator using power to deceive, via the Internet, the victim by manipulating the victim's emotions.

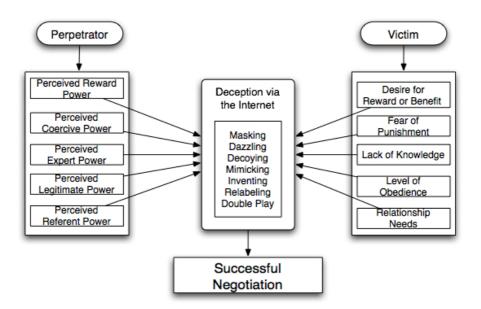


Figure 3. The Cybercrime Framework

In all scams, there is some perceived reward that is never fully realized, or is misrepresented in some way, whether in the form of money, which never arrives, or goods or services, which are not provided or are somehow less than that which was promised. The key to whether the negotiation is successful or not hinges on the perception on the part of the victim as to the size of the reward as well as the victim's perception that the offender is legitimate. The perceived expert power has a positive relationship with perceived legitimate power. Furthermore, the perceived referent power is increased through repeated interactions between offender and victim, and also has a positive relationship with perceived legitimate power. Coercive power is generally used to create the impression that the offer is unique and for a limited time, and can create a sense of urgency in the negotiation.

To illustrate this model, we present the top ten Internet scams of 2005 in Table 2 (Internet Fraud Watch, 2005). In the table, we posit how each type of fraud appeals to a specific type of power, as well as the predominant deceit tactics employed to exercise each power.

				<b>n</b> :	
Perpetrator	Perceived Reward Power	Perceived Coercive Power	Perceived Expert Power	Perceived Legitimate Power	Perceived Referent Power
Victim	Desire for a Reward or Benefit	Fear of Punishment	Desire for a Need or Want	Level of Obedience	Relationship Needs
Deception via the Internet	<ul> <li>Dazzling</li> <li>Decoying</li> <li>Mimicking</li> <li>Inventing</li> <li>Relabeling</li> </ul>	<ul> <li>Mimicking</li> <li>Inventing</li> <li>Double play</li> </ul>	<ul><li>Decoying</li><li>Dazzling</li><li>Mimicking</li><li>Relabeling</li></ul>	<ul> <li>Decoying</li> <li>Mimicking</li> <li>Relabeling</li> <li>Double play</li> </ul>	<ul> <li>Dazzling</li> <li>Mimicking</li> <li>Inventing</li> <li>Double play</li> </ul>
Auctions	Seller misrepresents product; Shilling/collusion artificially increases price	Auction fever- buyers must act before auction close	Seller may pose as expert in antiques or one-of-a-kind merchandise. Cut and paste from real experts	Reputation scores – can be inflated by seller Seller poses as reputable company	Trust relationship created through community forums
General Merchandise	Seller misrepresents product		Seller may pose as expert in antiques or one-of-a-kind merchandise. Cut and paste from real experts	Seller poses as reputable company	Seller creates trust through interactions with buyer
Nigerian Money Offers	Promise of large financial rewards	Offer is confidential and for a limited time	expensi	Offender poses as high government official – gives evidence of legitimacy	Appeals to needs of under- developed regions
Fake Checks	Victim perceives that checks are valid			Victim perceives that offender represents a legitimate company	Offender creates trust relationship through interactions with victim
Lotteries	Promise of large financial rewards	Offer is for a limited time		Offender poses as a reputable institution	
Phishing	Victim expects validation of personal information	Offender argues that user data has been stolen hence possible injury – updates required		Offender poses as a reputable institution known to the victim	
Advance Fee Loans	Victim is promised loan in spite of his/her bad credit			Offender poses as a reputable institution	

**Table 2.** Internet Crime within the Cybercrime Framework

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Information/Adult Services	Victim receives expected services but with hidden conditions		Offender poses as a legitimate institution	
Work-at-Home	Promise of large financial rewards	Offender poses as expert in home businesses	Offender poses as a reputable institution	
Internet Access Services	Cost of services misrepresented or services not provided		Offender poses as a reputable institution	

### Table 2 (continued). Internet Crime within the Cybercrime Framework

Perceived reward in auctions can be manipulated through various means. The seller can engage in shilling or bid shielding, where the price of the goods is artificially driven up through some behavior on the part of the seller. This creates the impression that the goods are more in demand than they actually are, resulting in higher bids from "legitimate" buyers. The goods can also be misrepresented, where the seller describes an item incorrectly and thus the actual reward is less than what is perceived. Auctions also have a coercive nature, where the buyers feel that they must act immediately or lose a unique opportunity.

Perceived expert power can be exercised in auctions, for example, in the case of goods which are supposedly antiques or one-of-a-kind, and the seller poses as a knowledgeable collector.

Perceived legitimate power can be created through the reputation scores which are maintained on auction sites based on the number of situations where the buyer is satisfied or dissatisfied. These scores can be manipulated through "phantom" trades where the seller poses as a buyer on various trades and gives him or herself positive ratings, thus artificially elevating his or her reputation score.

Finally, perceived referent power can be obtained through reputation scores as well as other community forums on the auction sites, where buyers and sellers can interact and perpetrators can gain the confidence of their potential victims.

For each power form, we explore how the Internet enables specific tactics such as mimicking, inventing, and relabeling. The increased anonymity, global reach and low barriers to entry of the Internet enable fraudulent activity from all parts of the world.

### 8. RECOMMENDATIONS FOR THE MANAGEMENT OF ON-LINE FRAUD

The model that has been presented may prove to be of great value to practitioners, regulators, and academics. Even more importantly, this model may be of great help in protecting the common individual or consumer from being defrauded online. As discussed earlier, perpetrators of fraud typically prey upon the susceptible – the elderly, immigrants, uneducated, or those who find themselves in a desperate situation.

While the model successfully describes current well-known fraud types, it can also be used to generate generalized predicative statements concerning future fraud forms. For example, all of the perpetrator and victim characteristics have a positive relationship to the possible occurrence of fraud. However, there are a number of power types and deception methods that are particularly salient to Internet fraud. While any discussion of future fraud forms is clearly speculative, it is worth noting that most fraud forms have existed for many years. The majority of frauds occurring online today have their origins long before the development of the Internet (Albrecht et al. 2006). Even phishing is a variant of identity theft that has been practiced for years; the Internet simply permits a far more efficient execution. Accordingly, table 3 outlines a number of generalized fraud types, their victim and perpetrator characteristics, primary deception mechanisms as well as their alignment towards successful execution on the Internet. While this analysis is a simplification, our assumption is that future online frauds will likely be novel variants of traditional forms. As such, we highlight fraud forms that have a high proclivity with the Internet, and thereby have a higher likelihood of occurring in future forms.

Opportunities for easy money or rewards will likely continue to occur in a variety of forms on the Internet. The Internet permits a number of techniques for manipulating or falsifying information to entice victims to send money in the hopes of future gain. Moreover, the vast reach of the Internet allows perpetrators to broadcast their lures to a broad audience, and efficiently identify and communicate with victims with a propensity to fall for the temptation of easy money.

Likewise, the relative ease with which digital technology can replicate and manipulate non-existent, stolen or counterfeit products suggests that criminals will continue to employ these techniques in a variety of ways. In a similar vein, digital technology and the Internet enable institutional or expert legitimacy to be easily replicated, thereby permitting criminals to emulate legitimate scientific, legal or business institutions in a process of selling bogus pharmaceuticals, or medical, psychiatric, legal or business services.

However, frauds that leverage personal relationships to a high degree will be less likely. In this situation, we can think of "the power of personal persuasion" where perpetrators leverage personal or professional relationships to coerce

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victims. While we do not eliminate the possibility, the use of rich communication media and other social cues to manipulate victims makes these types of fraud less likely to occur exclusively via the Internet. Rather, the possibility for hybrid frauds, where the Internet is used for initial contact, and further negotiation occurs in person, is certainly feasible.

# Table 3. Generalized Fraud Types, Their Victim and Perpetrator Characteristics, Primary Deception Mechanisms as Well as Their Alignment towards Successful Execution on the Internet

Fraud	Perpetrator	Victim	Deception	Proclivity with Internet
	Power		via Internet	
Offer for easy money or rewards Check or money transfer scams	Perceived reward power Perceived expert power Perceived legitimate power Perceived coercive power	Desire for rewards or benefit Lack of knowledge Level of obedience Fear of punishment	Dazzling Inventing Relabeling Mimicking Decoying	Medium-High The Internet is well aligned towards intimate communication with victim and manipulation/decoying of relevant information. This makes useful for frauds where the victim is coerced to send money in the hopes of obtaining future rewards.
Merchandise at "too good to be true prices" Counterfeits, stolen products	Perceived reward power Perceived expert power	Desire for rewards or benefit Lack of knowledge	Dazzling Mimicking Inventing	Very High The relative ease with which information and images can be obtained, modified and reproduced is very high, making the Internet an excellent medium for this type of fraud.
Fake or illegal pharmaceuticals or other medical, legal or professional services	Perceived expert power	Lack of knowledge Level of Obedience	Mimicking Inventing Relabeling	Very High Institutional or expert legitimacy can be easily replicated on the Internet
Personal cons Fake loans or financial transactions Fake business ventures	Perceived coercive power Perceived referent power Perceived legitimate power	Fear of punishment Level of obedience Relationship needs	Masking Inventing Double play	Low These "personal" frauds are highly dependent on the perpetrator's ability to leverage personal or professional power over victim.
Stealing confidential information, phishing, identity theft	Perceived legitimate power Perceived referent power	Fear of punishment Level of obedience	Mimicking Relabeling	Very High Institutional or expert legitimacy is easily reproduced on the Internet

Finally, techniques for collecting confidential information on victims will likely continue in tact with the technology that ensures its prevention.

Computer security experts have long acknowledged that the weakest security holes in any socio-technical system are not technical, but human. As previously argued, digital technology enables the relatively easy replication of institutional legitimacy, thereby enticing obedient victims to divulge confidential information.

In conclusion, any discussion of future fraud forms on the Internet should highlight the salient features of the technology that provide a catalyst for fraud. The Internet has a very broad reach, and perpetrators can efficiently communicate with a broad group of potential victims and trigger responses that identify them as susceptible to fraud (e.g. victim characteristics). Secondly, digital technology permits perpetrators to easily replicate legitimate products, or services that are in fact, non-existent or counterfeit. This is further enabled by a similar use of technology to emulate well-know businesses or institutions to support claims of legitimacy in a variety of fraud forms, be they financial, counterfeit, or phishing/identity theft frauds.

### 9. FUTURE RESEARCH

Our model identifies five types of power, the primary tactics utilized to realize the power, and the common fraud types where these elements are manifest. The next step in this research is rigorous empirical validation with both aggregate data analysis as well as controlled experimentation. Understanding the ways in which perpetrators of fraud are able to exert these five types of power across the Internet is a first step towards helping regulators, companies and individuals develop better strategies for its control and prevention.

The strength of this model lies in the fact that it explains the relationship that takes place between perpetrator and victim, specifically in an online environment. Moreover, understanding the techniques employed, and how potential fraud victims self-select themselves in response to these mechanisms will enable policy makers and consumers to understand the overall process of online deception and decrease the overall risk of current and future frauds.

Education is the key to preventing fraud. If the model proves accurate with further testing, consumer protection agencies will have a valuable tool to assist them in the deterrence of fraud. Furthermore, consumers will be able to identify potential perpetrators who would try to exploit them using the five types of power discussed. If consumers can become more aware of their susceptibility to these types of frauds, they will become more aware of potential situations where they are susceptible to fraud. In other words, the model may help identify areas where the probability of on-line fraud occurring is higher.

The purpose of this paper has been to advance theoretical understanding of the specific power forms that perpetrators use when influencing victims in fraudulent transactions. The model has combined the dimensions of power and

negotiation from the management and psychological literature as well as Internet fraud research from the Information Systems field. We have examined the moderating effects of the Internet on the communication and fraud process between perpetrator and victim, as well as deception tactics employed to realize each power type in frequently occurring fraud forms.

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