Contents

	List of figures	viii
	List of tables	x
	List of contributors	xi
	Acknowledgments	xiii
	RT ridging the disciplines	ı
1	Introduction: how technology affects	2
	human interaction	3
	ELLY A. KONIJN, SONJA UTZ, MARTIN TANIS, AND SUSAN B. BARNES	
2	Understanding social media from the media	
	ecological perspective	14
	SUSAN B. BARNES	
3	Machines as mediators: the challenge of technology for interpersonal communication theory and research	34
	MELANIE D. POLKOSKY	
4	Self as source: agency and customization in	
	interactive media	58
	S SHYAM SUNDAR	

PART II		
Technology as relationship enabler		75
5	Transformed social interaction in mediated	
	interpersonal communication	77
	JEREMY N. BAILENSON, NICK YEE, JIM BLASCOVICH,	, ,
	AND ROSANNA E. GUADAGNO	
6	Emotions in mediated interpersonal	
	communication: toward modeling emotion	
	in virtual humans	100
	ELLY A. KONIJN AND HENRIETTE C. VAN VUGT	
7	anybody out there. Analyzing the	
	effects of embodiment and nonverbal behavior	
	in avatar-mediated communication	131
	GARY BENTE, NICOLE C. KRÄMER, AND FELIX ESCHENBURG	
8	Touch in computer-mediated communication	158
	MARGARET MCLAUGHLIN, YOUNBO JUNG, WEI PENG, SEUNGA JIN,	
	AND WEIRONG ZHU	
9	Parasocial interactions and paracommunication with	
	new media characters	177
	TILO HARTMANN	
10	Antisocial communication on electronic mail and	
	the internet	200
	KAREN M. DOUGLAS	
PA	RT III	
Th	e appeal of communicating through technology	215
11	Impression formation effects in online mediated communication	217
	SRIRAM KALYANARAMAN AND S. SHYAM SUNDAR	217
12	The joys of online dating MONICA WHITTY	234

	Co	ntents vii
13	Social identification with virtual communities SONJA UTZ	252
14	Problems and interventions in computer-mediated virtual groups	271
	JOSEPH B. WALTHER	
15	What makes the internet a place to seek social support	290 290
16	Mediated interpersonal communication in multiplayer video games: implications for entertainment and relationship management	309
	CHRISTOPH KLIMMT AND TILO HARTMANN	
17	Flaming and blaming: the influence of mass media content on interactions in online discussions DIRK OEGEMA, JAN KLEINNIJENHUIS, KOOS ANDERSON, AND	331
	ANITA VAN HOOF	
18	Leisure boredom, sensation seeking, self-esteem, and addiction: symptoms and patterns of cell phone use	359
	LOUIS LEUNG	
	Index	383

Figures

3.1	Causal mediation model of communication	50
4.1	Agency model of customization	69
5.1	A framework for classifying representations of	
	humans in physical and digital space	79
5.2	Methods utilized to transform physical representations	81
5.3	A schematic of a simple CMC using digital human avatars	82
5.4	Two subjects (top row), Bush and Kerry (2nd row), the	
	morph of Subject 1 and Bush (3rd row left), the	
	morph of Subject 2 and Kerry (3rd row right) and	
	the vote intention score by condition (bottom row).	
	The difference in vote intention for Bush and Kerry by	
	condition was significant	85
5.5	A schematic illustration of non-zero-sum gaze.	
	Each interactant on the left perceives the speaker on	
	the right gazing directly at him or her.	86
5.6	Person B takes on multilateral perspectives: she can	
	experience the CVE from her own perspective and the	
	perspective of Person A at the same time.	90
5.7	Three participants with the behavioral flags	
	translucently displayed over their heads. Only	
	the presenter (behind the podium) in this CVE can	
	see the behavioral flags.	92
5.8	A model of social influence in CVEs	94
7.1	Base version of the avatar-based collaborative	
	desktop environment (screen shot during calibration	
	mirroring the interlocutor's own behavior	145
7.2	Variations of avatar appearance in ABC-Desk	• /-
	(a: variations of realism; b: variations of gender typicality)	145
7.3	integration of the avatar platform into a collaborative	
	workbench.	147

7.4	Screenshots showing experimental gaze variations: averted gaze (left, right) and directed gaze	
	(middle) in a low-resolution avatar.	148
7.5	Effects of real and simulated gaze (2 seconds vs. 4 seconds)	
	on social impressions and social presence scales.	148
8.1	(a) User at location 1 uses a PHANToM haptic stylus	
	to touch the fingers of the user at (b) location 2,	
	who is wearing a CyberGrasp haptic glove.	167
8.2	Set of proposed relationships among performance	
	accuracy, mean force applied to the partner's fingers,	
	variability in application of force to the partner's	
	fingers (N sampled points measurable force), and	
	task completion time.	168
17.1	Total attention for immigration issues per month,	
	for newspapers and forums.	343
17.2	A reciprocal model of first order agenda setting:	
	who influences whom?	352

Tables

3.1	Four-factor framework of SUI service quality	48
8.1	Performance variables and co-presence	
	ratings for six participant pairs	170
16.1	Overview of typical modes of mediated interpersonal	
	communication in multiplayer video games	317
17.1	Number of analyzed documents and words.	
	October 1 2003–July 31 2005	337
17.2	Operationalization of and attention paid to actors	
	and issues	340
17.3	Number of linguistic stylistic markers of various	
	types per 10,000 words	348
17.4	Agenda setting as indicated by correlations for	
	newspapers and discussion groups	349
18.1	Factor analysis of cell phone addiction	368
18.2	Discriminant analysis of cell phone addicts with	
	psychological variables, cell phone usage pattern	
	reatures used, and demographics as predictors	
	(N = 545)	370
18.3	Correlation of demographics, leisure boredom,	
40.4	sensation seeking, self-esteem, and cell phone addiction	371
18.4	Regression of demographics, leisure boredom	
	sensation seeking, self-esteem, cell phone dependency	
10.5	symptoms, and social capital on patterns of cell phone use	372
18.5	regression of demographics, leisure boredom	
	sensation seeking, self-esteem, cell phone dependency	
	and social capital on features use	373