List of figures

- Figure 1 Information-processing model of humor (adapted from Suls 1972: 85) —— 52 Figure 2 Syntagmatic LM (adapted from Attardo, Hempelmann and Di Maio 2002: 18) — 59 Figure 3 Reasoning LM (adapted from Attardo, Hempelmann and Di Maio 2002: 19) — 59 Figure 4 GTVH's six Knowledge Resources in hierarchical order — 61 Figure 5 Expanded Knowledge Resources of the GTVH ---- 64 Figure 6 Humor implicatures on 7 levels (based on Canestrari 2012: 65-73) ---- 65 Figure 7 Continuum of contrariety depending on contrariety type and invariance of further feature (based on Canestrari and Bianchi 2013: 17-18) ---- 67 Correlation of incongruity type and humorous success (based on Canestrari Figure 8 and Bianchi 2013: 20) --- 67 Figure 9 Expanded Knowledge Resources (equals Figure 5) — 73 Figure 10 Incongruity processing steps in art-horror and humor — 76 Figure 11 Rothbart's model of affective responses to incongruity (adapted from Rothbart 2017: 39) --- 79 Figure 12 Three phases of the neural Circuit Model (NCM) (adapted from Chan, Chou, Chen, Yeh, Lavallee, Liang and Chang 2013: 175) — 98 Figure 13 Results of Questionnaire I regarding means per condition and question. Scariness, surprise, and funniness were rated on a 7-point Likert scale (1 = not at all; 7 = absolutely), error bars = sd <math>--- 120 Figure 14 Results of Questionnaire II for all 67 triplets. Means per condition and questions. Scariness, funniness and surprise were rated on a 7-point Likert scale (1 = not at all; 7 = absolutely), error bars = sd — 126
- Figure 15 Results of Questionnaire II for the 36 triplets. Means per condition and questions. Scariness, funniness, and surprise were rated on a 7-point Likert scale (1 = not at all; 7 = absolutely), error bars = sd —— 127
- Figure 16 Schematic illustration of predictions of reading times (RT) for the three conditions art-horror, humor, and coherence —— 132
- Figure 17 Log residual reaction times for the six target segments over all conditions, error bars = sd —— 137
- Figure 18 Comparison of the muscular anatomy of the human face (left picture) and its notation in action units (AU), here AU 1, 2, 4, 6, and 7 (right picture). The encircled number indicates the ending point of a movement (Ekman, Friesen, and Hager 2002b: 15 —— 140
- Figure 20 Comparison of AU 6 (cheek raiser and lid compressor) as schema (left) and facial expression (middle). Combination of AU 6 and AU 12 (right) (Ekman et al. 2002b: 15,468,485) —— 142

- Figure 22 Comparison of AU 1 and 2 as schema (left) and facial expression (middle: AU 1, right: AU 2) (cf. Ekman et al. 2002b: 15,466) —— 144
- Figure 23 Facial expressions of AU 4 (brow lowerer, left) and its combination with AU 1 and AU 2 (right) (cf. Ekman et al. 2002b; 466, 472) —— 144
- Figure 24 Facial expressions of AU 5 (upper lid raiser, left) and its combination with AU 1 and AU 2 (right) (cf. Ekman et al 2002b: 467,472) —— 145
- Figure 25 Visual summary of predicted facial expressions. 1: happiness (AU 6,12). 2: disgust (AU 9), 3: disgust (AU 10), 4: fear (AU 1,2,4); 5: fear (AU 1,2 5) (Ekman et al. 2002b: 472–474,485) . Side note: In 3, AU 25 (open mouth) is activated additionally 145
- Figure 26 FACS results mean frequency of action units (AU) per condition on and after the critical segment, and percentage of AU of 148 AU shown across conditions and locations —— 152
- Figure 27 Schema of recording procedure (adapted from Hung 2011: 46) —— 159
- Figure 28 Illustration of electrode cap (extended version) according to 10/20 system (adapted to recorded electrode positions from Luck 2014: 167) —— 167
- Figure 29 Electrophysiological results of the grand-averaged ERPs for 9 selected electrode sides for the conditions coherence, horror, humor, and incoherence —— 170
- Figure 30 Incongruity processing model for humor and art-horror (IPM) —— 188