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3 [HJ11, TSSL15].

Abilities [SCC14]. **Ability** [HKR⁺18, MHC⁺18]. **Abstract** [SYS⁺15]. **Academic** [DMGG13]. **Access** [CSM⁺12]. **Accuracy** [HKR⁺18, KB17]. **Accurate** [PCNB17]. **ACM** [KGCC18]. **Acquisition** [FBS13]. **Activation** [SVK16]. **Active** [HJ11, HRKR18, KPSK17]. **Activities** [NKP⁺19]. **Activity** [BBT⁺15, YSD15, YK16]. **Adapting** [SVK16]. **Adaptive** [CMTB15, GSC⁺17, KDMA12, PSOC16, WZB⁺16, WES16, YDL⁺17, HBP⁺12]. **Added** [RAMZ⁺17]. **Adults** [SBN⁺18].

Advice [SHY16, TOF16]. **Advising** [DMGG13]. **Advisor** [SHY16]. **Aerial** [DM17]. **Affect** [BDO⁺16, CLP⁺14, YLVE12, EWS12]. **Affectionate** [CNI15]. **Affective** [NCWC17, SYS⁺15, CRP⁺12, ONTHS11, DG12]. **Agent** [BMD⁺15, COAR16, DHS⁺17, TSN⁺16]. **Agents** [CRO⁺16, KW16, OPM17, PLBW17, PAGM15, SBN⁺18, VPB16, BSBC12, INN13]. **Air** [AUMT16, GGC⁺19]. **Allow** [RAMZ⁺17]. **ALVA** [KPSK17]. **Amateur** [SYS⁺15]. **Ambiguity** [CDK⁺18]. **Analogous** [KCTH19]. **Analysis** [BMD⁺15, FWY⁺18, KB17, LC18, MBR16, NKP⁺19, PSC⁺16, SYS⁺15, SDW⁺18, SKKM15, vdGPOvB⁺13]. **Analytic**

[CQW⁺14]. **Analytics** [KPSK17, SKG⁺18]. **animation** [GCDN11]. **Annotation** [BMD⁺15, KP18]. **Anomaly** [Riv14]. **Anything** [SG12]. **application** [KPP14]. **Applications** [KTD17, PCNB17, ZBGD14]. **Approach** [COAR16, DSV17, FB18, NSMM18, OPM17, EWS12, ONTHS11]. **approaches** [SGS⁺12]. **Architecture** [VLP⁺15]. **Argumentation** [DMGG13]. **Argumentative** [RK16]. **Arguments** [RK16]. **Art** [GRNW15, SYS⁺15]. **articles** [CSM⁺12]. **Artificial** [TOF16, BSBC12]. **Arts** [SHA⁺15b, SHA⁺15a, YDL⁺17]. **Assessing** [COAR16]. **Assistance** [GRC⁺12, HBP⁺12]. **Assistant** [MBD⁺15]. **Associated** [DLMC15]. **Asynchronous** [HC16]. **attachment** [HCDRB12]. **attachment-like** [HCDRB12]. **Attention** [NWP⁺18, PAGM15]. **Attitude** [CRO⁺16]. **Audience** [YDL⁺17]. **Audio** [EGQ16]. **audiovisual** [SGS⁺12]. **Auditory** [FB18]. **augmentation** [MGF13]. **Authentication** [AUMT16]. **authoring** [YIS⁺14]. **Autism** [WZB⁺16]. **Automated** [BMD⁺15, SHY16]. **Automatic** [DGG16, DK15, MBR16, PSOC16, SGS⁺12]. **Automatically** [BDO⁺16]. **Automating** [AMN⁺13]. **Automation** [CLS⁺18]. **AutoTutor** [DG12]. **Aware** [BMD⁺15, KK13]. **awareness** [INN13].

back [DG12]. **Based** [GGC⁺19, NSMM18, OPM17, PASR⁺16, SG12, TSSL15, TVCL16, WHLZ18, RAE⁺14, WRH18, YLVE12]. **Bases** [KH12]. **Basis** [NYYT16, RK16]. **Bayes** [KSW⁺11]. **Be** [IOKY16a, YYI⁺16]. **Behavior** [BLV14, CRO⁺16, CNI15, DK15, IOKY16a, RK16, SHA⁺15b, SHA⁺15a, YT15, CRC⁺12, HCDRB12, JFNY13]. **Behavioral** [CMPS17, RHS19]. **Behaviors** [LC18, RAMZ⁺17, YIS⁺14]. **Benefits** [TSSL15]. **Beyond** [KB17, ZGZ⁺16]. **Beyond-Accuracy** [KB17]. **Bias** [FBS13, GSC⁺17, PKCS12]. **Big** [CMPS17, CGHS17]. **Binary** [NLN⁺14]. **Biohazard** [PASR⁺16]. **Blocks** [ZF17]. **Body** [NKP⁺19, PSOC16, WES16, BSBC12, SDD12]. **Boxes** [TVCL16]. **Brain** [YDL⁺17]. **Brain-Adaptive** [YDL⁺17]. **Brief** [SHA⁺15b]. **browser** [TDBL13].

can [KK12]. **Capabilities** [KW16]. **Capable** [CNI15]. **Capturing** [GRC⁺12, KLR⁺18]. **Care** [YYI⁺16]. **caregiving** [HCDRB12]. **Case** [SG12]. **Case-Based** [SG12]. **casual** [JFNY13]. **Centered** [FG18, FB18]. **Changes** [DLMC15, MKS⁺17, YLVE12]. **Characterizing** [WBL⁺13]. **Child** [RHS19]. **children** [ONTHS11]. **Chronodes** [PCK⁺18]. **Citation** [WSL⁺18]. **Classification** [AHJR18, DGG16, DLMC15, JWK14, KPSK17, KSW⁺11]. **Classrooms** [BDO⁺16]. **Clustered** [ZCC⁺18]. **Clustering** [NSMM18]. **Co** [DHS⁺17]. **Co-Creative** [DHS⁺17]. **Coding** [CDK⁺18]. **Cognitive** [NCWC17, SCC14, CRC⁺12]. **cognitively** [DG12]. **Collaboration** [DHS⁺17]. **Collaborative** [FBC14, PYDM16]. **Collective** [NWP⁺18, PCK⁺13]. **Combating** [GSC⁺17]. **Commodity** [ZGZ⁺16]. **Common** [DJH⁺12, GRC⁺12, KH12, LH12]. **Communicating** [MHC⁺18]. **Communication** [KCTH19, TSN⁺16, SFTI⁺13]. **Community** [VSR12]. **Companion** [CLP⁺14]. **Companionable** [SBN⁺18]. **comparison** [SGS⁺12]. **Comparisons** [MSD⁺16]. **Complex** [TVCL16]. **Complying** [SHY16]. **Computational** [PKCS12]. **Computer** [And12, BDO⁺16, KCTH19, SDD12]. **Computer-Enabled** [BDO⁺16]. **Computer-Mediated** [KCTH19]. **computers** [DG12]. **Conceptual** [WRH18]. **Confidence** [SLMK18]. **Conflict** [Hol18]. **Connecting** [GRNW15]. **Consideration**

[DLMC15]. **Contact** [XZY16]. **Content** [KB16, RAE⁺14]. **Content-based** [RAE⁺14]. **Context** [BMD⁺15, CLP⁺14, HK16, KK13, KLR⁺18, SVK16, TSSL15, YT15]. **Context-Aware** [BMD⁺15, KK13]. **Context-Sensitive** [CLP⁺14]. **Contextualization** [GSC⁺17]. **Contingent** [WZB⁺16]. **Continuous** [SDD12, EWS12, ZBGD14]. **Control** [GKP15, KK12]. **Conversation** [CSD14, AC13]. **Conversational** [OPM17, PAGM15, SCKOGP15, INN13, JFNY13]. **Conversations** [HC16, ZF17, SGS⁺12]. **Conveys** [YYI⁺16]. **ConVisIT** [HC16]. **Cooperative** [MGF13]. **correlation** [GGC⁺19]. **Coverage** [KB17]. **Create** [OPM17]. **Creating** [KK12, SBN⁺18]. **creation** [PCK⁺13]. **Creative** [DHS⁺17]. **cross** [SFTI⁺13]. **cross-lingual** [SFTI⁺13]. **Crowd** [LC18, ZCC⁺18]. **Crowds** [GRNW15]. **Crowdsourcing** [DAW18]. **Cube** [CCM14]. **Cues** [Hol18]. **Culture** [CLS⁺18]. **Current** [BPUK18]. **Customizable** [HBP⁺12]. **Cyberbullying** [DJH⁺12]. **Cyclicality** [DM17].

D [HJ11, TSSL15]. **Daily** [DFR15]. **Dance** [ABJ15]. **Data** [CMPS17, CGHS17, GGC⁺19, KTD17, SDW⁺18, SKKM15, SCC14, WSL⁺18, GCDN11, SGS⁺12]. **data-driven** [GCDN11]. **Datasets** [HK16]. **debugging** [KSW⁺11]. **decade** [JR12]. **Decision** [CdGF⁺13, DMGG13, SLMK18]. **Decisions** [KK13, HBP⁺12]. **Deep** [KCC⁺19]. **Design** [AUMT16, DK18, FB18, HC16, JJJ16, YIS⁺14, ONTHS11, TDBL13, ZBGD14]. **Detect** [BDO⁺16]. **Detecting** [NCWC17]. **Detection** [DK15, DJH⁺12, KP18, MR19, Riv14]. **detectives** [PCK⁺13]. **Developing** [KCTH19]. **Development** [YK16]. **Dialog** [ZF17]. **Dialogue** [And12, MR19]. **Digital** [GRNW15, YDL⁺17]. **Dimension** [VPB16]. **Dimensional** [GSC⁺17, SDW⁺18, EWS12]. **Dimensionality** [DM17]. **Diminish** [Hol18]. **Direction** [MKS⁺17]. **Directions** [BPUK18, JJ17, NBHJ16]. **Disclosure** [KK13]. **Discovering** [CMPS17, ZF17]. **Discovery** [KB16]. **Discussions** [RK16]. **Disease** [MBD⁺15]. **Disorders** [WZB⁺16]. **Display** [NWP⁺18]. **displayed** [BSBC12]. **displays** [MGF13]. **Distancing** [DM17]. **Distinguished** [Afe18]. **Diverse** [PCNB17]. **Diversity** [KB17]. **Do** [GRC⁺12]. **Domain** [DMGG13, OHZ⁺18, SG12]. **Dominance** [NYYT16]. **Drama** [CSD14]. **Drawing** [DHS⁺17]. **Drift** [MKS⁺17]. **Driven** [DSV17, GCDN11, KPP14, SFTI⁺13]. **Drivers** [KK12]. **Driving** [WZB⁺16]. **During** [SLMK18, GSC⁺17, YLVE12]. **dyadic** [HCDRB12]. **Dynamic** [OHZ⁺18, TVCL16]. **Dynamics** [SKG⁺18].

Editing [TVCL16]. **Editorial** [LC18]. **Educational** [WBL⁺13]. **EEG** [AHJR18]. **Effect** [CLS⁺18, ZLW17]. **Effective** [RHS19, KR14]. **Effector** [CMGM18]. **Effects** [CRO⁺16, DM17, SHY16]. **Efficient** [NLN⁺14]. **Eliciting** [HCDRB12]. **Embodied** [OPM17, PAGM15, ZLW17]. **Embodying** [TDBL13]. **Emojis** [KCTH19]. **Emotion** [PSOC16, WES16]. **Emotional** [BSBC12, DLMC15]. **emotionally** [DG12]. **Empathy** [PLBW17]. **Empirical** [CGT12, KB17]. **Employing** [CQW⁺14]. **Enable** [SG12]. **Enabled** [BDO⁺16]. **Encoding** [VSR12]. **End** [CMGM18, KSW⁺11]. **End-Effector** [CMGM18]. **end-user** [KSW⁺11]. **engagement** [INN13]. **English** [DMGG13]. **English-Language** [DMGG13]. **Enhance** [CMPS17]. **Enhancing** [KCC⁺19]. **Entertainment** [SHA⁺15b, SHA⁺15a]. **Environment** [DFR15, SHY16, VLP⁺15, WZB⁺16, TDBL13]. **Environments** [AG13, MBD⁺15, TSSL15, CRP⁺12]. **Estimating** [INN13, NWP⁺18].

Estimation [CMTB15, NYYT16]. **Evaluation** [GCDN11, HC16, MKS⁺¹⁷, Riv14, ZCC⁺¹⁸, YIS⁺¹⁴]. **Event** [KP18, MSD⁺¹⁶, PCK⁺¹⁸]. **experience** [KK12]. **Experiences** [COAR16]. **Experiments** [CSD14]. **Expert** [HKR⁺¹⁸]. **Expertise** [OHZ⁺¹⁸]. **Explanation** [DMGG13]. **Explicit** [JWK14]. **Exploiting** [RAMZ⁺¹⁷]. **Exploration** [AUMT16, CCM14, GGC⁺¹⁹, MSD⁺¹⁶, PCK⁺¹⁸, ZGZ⁺¹⁶]. **Exploratory** [AG13, DSV17, SKKM15]. **Exploring** [FWY⁺¹⁸, HC16, SKG⁺¹⁸, TSSL15, YDL⁺¹⁷]. **Expression** [MKS⁺¹⁷]. **Expressions** [TVCL16]. **Expressive** [CMGM18]. **Extending** [ZGZ⁺¹⁶]. **External** [KW16]. **Extraction** [DAW18, SKKM15]. **Eye** [NBHJ16, SCC14, XZY16, AC13, INN13]. **Eyewear** [MKS⁺¹⁷].

Face [MBR16]. **Facial** [MKS⁺¹⁷]. **factorization** [RAE⁺¹⁴]. **Features** [CMPS17, OHZ⁺¹⁸, PSMO18]. **Feedback** [FB18, JWK14, NLN⁺¹⁴]. **Finding** [CCM14]. **five** [EWS12]. **five-dimensional** [EWS12]. **Floor** [VLP⁺¹⁵]. **Fluid** [ZBGD14]. **Focus** [CDK⁺¹⁸]. **Forums** [FWY⁺¹⁸]. **Framework** [GKP15, HRKR18, JWK14, PKCS12, PSMO18, SKG⁺¹⁸, WRH18]. **Freezing** [MBD⁺¹⁵]. **Full** [NKP⁺¹⁹]. **Full-Body** [NKP⁺¹⁹]. **functionality** [KPP14]. **Fusing** [BFOK12]. **Future** [BPUK18].

Gait [MBD⁺¹⁵]. **Galvanic** [NCWC17]. **Game** [CLP⁺¹⁴, TSSL15]. **Game-Based** [TSSL15]. **gastronomy** [CAB⁺¹³]. **Gaze** [INN13, IOKY16a, JFNY13, NYYT16, NBHJ16, PAGM15, RAMZ⁺¹⁷, SCC14, WZB⁺¹⁶, YYI⁺¹⁶, AC13]. **Gaze-Contingent** [WZB⁺¹⁶]. **Gaze-Exploiting** [RAMZ⁺¹⁷]. **General** [VLP⁺¹⁵]. **General-Purpose** [VLP⁺¹⁵].

Generating [NYYT16]. **Generation** [AMN⁺¹³, CMGM18, DMGG13, YN13]. **Genome** [VSR12]. **gestural** [ZBGD14]. **Gesture** [CMTB15, KCTH19, PSOC16, TSSL15, SDD12, ZBGD14]. **Gestures** [AUMT16, KCTH19, MBR16, YYI⁺¹⁶]. **Givers** [TOF16]. **Graphical** [KTD17]. **Ground** [DAW18]. **Group** [CRO⁺¹⁶]. **Groups** [CSD14, FWY⁺¹⁸, KR14]. **GSR** [AHJR18]. **Guest** [LC18].

Hand [KCTH19, MBR16, SDD12]. **Hand-Over-Face** [MBR16]. **Handwriting** [OHZ⁺¹⁸]. **healthcare** [HBP⁺¹²]. **Helpers** [COAR16]. **Hierarchical** [CKKD14]. **High** [GSC⁺¹⁷, MSD⁺¹⁶, SDW⁺¹⁸]. **High-Dimensional** [GSC⁺¹⁷, SDW⁺¹⁸]. **High-Volume** [MSD⁺¹⁶]. **highlights** [JR12]. **History** [HK16]. **Home** [DFR15]. **Human** [AHJR18, And12, BPUK18, BMD⁺¹⁵, CdGF⁺¹³, DM17, FG18, Gil15, KFWL14, KP18, KGCC18, LC18, MR19, RAMZ⁺¹⁷, RK16, TSN⁺¹⁶, TOF16, VLP⁺¹⁵, WRH18, WHLZ18, XZY16, GR13, HCDRB12, ONTHS11, SDD12]. **Human-Agent** [TSN⁺¹⁶]. **Human-Centered** [FG18]. **Human-Computer** [And12, SDD12]. **Human-Environment** [VLP⁺¹⁵]. **Human-in-the-Loop** [KP18, WHLZ18]. **Human-Machine** [KGCC18]. **Human-Robot** [BPUK18, WRH18, XZY16, HCDRB12, ONTHS11]. **Humanoid** [CNI15]. **Hypothesis** [MSD⁺¹⁶].

icon [SFTI⁺¹³]. **icon-driven** [SFTI⁺¹³]. **idea** [YN13]. **Identification** [SVK16]. **I'll** [YYI⁺¹⁶]. **Illmo** [Mar14]. **Impact** [WSL⁺¹⁸]. **impairments** [AFFB14, CSM⁺¹²]. **Implicit** [JWK14]. **Inclusive** [GRNW15]. **Incremental** [DFR15]. **indicators** [CRC⁺¹²]. **Individually** [BFOK12]. **Individuals** [WZB⁺¹⁶, CSM⁺¹²]. **Inducing** [CSD14].

Inference [SCKOGP15]. **Inferring** [KW16, RAMZ⁺17, SCC14]. **Influence** [KGCC18]. **Influencing** [BFOK12].

Information [CMPS17, GGC⁺19, KK13, KLR⁺18]. **input** [vdGPOvB⁺13]. **input-output** [vdGPOvB⁺13]. **Installation** [GRNW15]. **Instruction** [Gil15]. **Instructions** [BLV14]. **Instrumented** [CSD14]. **Integrated** [AFFB14]. **intelligence** [PCK⁺13].

Intelligent [CGHS17, EGQ16, GRC⁺12, JR11, KW16, KGCC18, NBHJ16, PASR⁺16, CAB⁺13, DG12, JR12, SFTI⁺13]. **Intent** [KLR⁺18]. **Interacting** [CAB⁺13, JJ17]. **Interaction** [BPUK18, BBT⁺15, CNI15, EGQ16, FB18, KFWL14, KGCC18, KB16, NYYT16, SDW⁺18, TSN⁺16, TOF16, VLP⁺15, VSR12, XZY16, ZLW17, CRP⁺12, CRC⁺12, ONTHS11, SLM⁺13, SDD12, ZBGD14, vdGPOvB⁺13]. **Interactions** [BMD⁺15, DGG16, DM17, KCC⁺19, ZGZ⁺16, HCDRB12, JFNY13]. **Interactive** [ABJ15, CMTB15, CGHS17, CCM14, CFD⁺14, CKKD14, DK18, GRNW15, HC16, JR11, KTD17, KGCC18, LH12, LC18, Mar14, MKF⁺15, NBHJ16, NLN⁺14, NSMM18, PCNB17, PCK⁺18, SVK16, SKKM15, SG12, GCDN11, HJ11, JR12, KPP14, YIS⁺14].

Interface [DMGG13, DK18, TVCL16, SFTI⁺13]. **interfaces** [ZBGD14]. **Interference** [NCWC17]. **Intergroup** [Hol18]. **Internal** [RHS19]. **Internet** [GR13, PCK⁺13, YN13]. **Internet-scale** [GR13, PCK⁺13, YN13]. **Interpersonal** [CRO⁺16]. **Interpretations** [PSMO18]. **Interpreting** [BLV14]. **Intervention** [RHS19, WZB⁺16].

Introduction [AC13, BBT⁺15, CRP⁺12, CGHS17, CFD⁺14, FG18, GR13, JR11, JR12, LH12, NBHJ16, SHA⁺15b, SLM⁺13, TOF16]. **Investigating** [CGT12]. **Isolated** [SBN⁺18]. **Issue** [BBT⁺15, CGHS17, CFD⁺14, FG18, KGCC18, LH12, LC18, NBHJ16, SHA⁺15b, TOF16, CRP⁺12, JR12, SLM⁺13]. **item** [RAE⁺14].

John [Jam13]. **Just** [HKR⁺18].

kernel [HJ11]. **Keyterm** [NSMM18]. **Keyterm-Based** [NSMM18]. **Knowledge** [GRC⁺12, KH12, VSR12].

Lab [MBD⁺15]. **Language** [BLV14, DMGG13, FBC14, BSBC12, PCK⁺13]. **laughter** [SGS⁺12]. **Leading** [DGG16]. **Learner** [BDO⁺16]. **Learning** [AG13, CDK⁺18, CFD⁺14, CKKD14, DFR15, DG12, DK18, FG18, FB18, JJL16, KFWL14, KTD17, KCC⁺19, KPSK17, MHC⁺18, NLN⁺14, PYDM16, RHS19, HJ11]. **Level** [SDW⁺18]. **like** [HCDRB12]. **lingual** [SFTI⁺13]. **Listening** [YT15]. **Lists** [GRC⁺12]. **LiveAction** [AMN⁺13]. **Load** [NCWC17, CRC⁺12]. **localization** [AFFB14]. **Localized** [FBC14, PSMO18]. **Loop** [KP18, WHLZ18]. **Lost** [ZF17].

Machine [CDK⁺18, CFD⁺14, DK18, FG18, FB18, JJL16, KFWL14, KTD17, KGCC18, MHC⁺18]. **Machine-Learning** [KTD17]. **Machines** [AHJR18]. **Making** [CdGF⁺13, KTD17, KK13, SLMK18]. **Management** [PAGM15]. **Mapping** [FB18, KCTH19]. **Maritime** [Riv14]. **Markov** [DMGG13]. **Math** [TVCL16]. **Mathematical** [TVCL16]. **Matter** [HKR⁺18]. **Me** [XZY16]. **Measures** [MHC⁺18]. **Media** [PKCS12]. **Mediated** [KCTH19]. **Medical** [DAW18]. **Meetings** [IOKY16a, IOKY16b]. **Memoriam** [Jam13]. **Messages** [KDMA12]. **Metaphors** [ABJ15]. **Methodology** [GCDN11]. **Methods** [GSC⁺17, MKF⁺15]. **Metrics** [HKR⁺18]. **Mid** [AUMT16]. **Mid-Air** [AUMT16]. **Minimal** [KB16]. **Mining** [YSD15]. **Miscommunication** [MR19]. **Mitigation**

[DJH⁺12, PKCS12]. **Mobile** [CSD14, MGF13, TDBL13]. **Mobility** [PSMO18]. **MobInsight** [PSMO18]. **Modalities** [CFD⁺14]. **Model** [AHJR18, AMN⁺13, CQW⁺14, Riv14, SVK16, KPP14]. **model-driven** [KPP14]. **Modeling** [HKR⁺18, HC16, JWK14, WRH18]. **Models** [FBC14, YPL⁺16, YK16]. **modern** [ZBGD14]. **Monitoring** [HRKR18]. **Mood** [SCKOGP15]. **Motion** [FB18, WHLZ18]. **Motion-Sound** [FB18]. **Motivation** [RHS19]. **Motor** [MHC⁺18]. **Movement** [ABJ15, NKP⁺19]. **Movements** [CMGM18, WES16]. **MovieLens** [HK16]. **Multi** [WHLZ18]. **Multi-Robot** [WHLZ18]. **Multiclass** [NLN⁺14]. **Multidimensional** [CCM14]. **Multifaceted** [WBL⁺13]. **Multifocus** [PCK⁺18]. **Multimedia** [PSC⁺16]. **Multimodal** [CRC⁺12, COAR16, ONTHS11, PSC⁺16, SCKOGP15, XZY16, CSM⁺12]. **Multiparty** [IOKY16a, IOKY16b, KFWL14, NYYT16, SGS⁺12]. **Multiple** [CFD⁺14, KH12, MHC⁺18, VPB16, HJ11]. **Multiplex** [YYI⁺16]. **multistroke** [HP11]. **multitask** [EWS12]. **Museum** [CSD14, DK15]. **Music** [DLMC15, YT15, YLVE12].

naive [KSW⁺11]. **Natural** [BLV14, CRP⁺12, EWS12, SGS⁺12, SDD12]. **Naturalistic** [MBR16]. **Nature** [WBL⁺13]. **Navigation** [ZLW17, AFFB14]. **Neighborhood** [PSMO18]. **networks** [CAB⁺13]. **Next** [IOKY16a, IOKY16b, YYI⁺16]. **Non** [EGQ16]. **Non-Visual** [EGQ16]. **Nonstrict** [CKKD14]. **Normal** [Riv14]. **Novel** [VSR12]. **Novelty** [KB17].

object [HJ11]. **Objectives** [KB17]. **objects** [MGF13, SLM⁺13, vdGPOvB⁺13]. **Observation** [SDW⁺18]. **Observation-Level** [SDW⁺18]. **offline** [SGS⁺12]. **Older** [SBN⁺18]. **Ongoing** [ZF17]. **Online** [FWY⁺18, HC16, PSC⁺16, AFFB14, KR14, SGS⁺12]. **Open** [SG12]. **Open-Domain** [SG12]. **Operations** [MKF⁺15]. **Optimization** [MKF⁺15]. **Order** [YYI⁺16]. **oriented** [KSW⁺11]. **Out-of-the-Lab** [MBD⁺15]. **Outcomes** [RHS19]. **output** [vdGPOvB⁺13]. **Overview** [JJ17]. **Oz** [BL15].

Paintings [SYS⁺15]. **Pairs** [DK15]. **Parametric** [CQW⁺14, SDW⁺18]. **Park** [SKG⁺18]. **Parkinson** [MBD⁺15]. **Participation** [NYYT16]. **partitioning** [GGC⁺19]. **Pattern** [CCM14, SKKM15]. **Pen** [TVCL16]. **Pen-Based** [TVCL16]. **People** [HBP⁺12, AFFB14, CAB⁺13, KK12]. **Perception** [OPM17]. **Perceptions** [Hol18]. **Perceptual** [CMGM18]. **Performance** [SCC14, YDL⁺17]. **Performing** [YDL⁺17]. **Personal** [CGHS17]. **Personality** [And12]. **Personalization** [BFOK12]. **Personalized** [MVT16, KK12, RAE⁺14]. **Personhood** [Hol18]. **Perspective** [CGT12]. **Persuasion** [And12, BFOK12, CGT12]. **Persuasive** [KDMA12]. **Persuasiveness** [PSC⁺16]. **Phenomenon** [WRH18]. **phones** [AFFB14]. **Phrase** [PCK⁺13]. **Physical** [NKP⁺19, TDBL13]. **physiological** [YLVE12]. **picoTrans** [SFTI⁺13]. **places** [TDBL13]. **Plan** [AG13]. **Planning** [KH12, WHLZ18]. **Positional** [MKS⁺17]. **Potential** [CGT12]. **Practice** [MHC⁺18]. **Predict** [IOKY16b, OHZ⁺18]. **Predicting** [SLMK18, WBL⁺13]. **Prediction** [DLMC15, FBC14, IOKY16a, PSC⁺16, RK16]. **Preference** [DM17, FBS13]. **Preferences** [JWK14]. **Presence** [CRO⁺16]. **Prevention** [DJH⁺12]. **Primary** [KLR⁺18]. **primitives** [HP11]. **principles** [KK12]. **Privacy** [KK13]. **Proactive** [KLR⁺18]. **problem** [GR13]. **Process** [YK16]. **Processes** [DMGG13]. **Professional** [SYS⁺15].

projected [MGF13]. **propagation** [RAE+14]. **Properties** [SCC14]. **Provenance** [CQW+14]. **Providing** [RK16]. **Proxemics** [CRO+16]. **Public** [NWP+18]. **Purpose** [VLP+15].

Qualitative [CDK+18]. **Qualities** [ABJ15]. **Quality** [CGT12, GGC+19, NKP+19, WBL+13]. **Quantifying** [DHS+17]. **Quantitative** [YT15]. **Quartet** [DGG16]. **Query** [FBC14].

Rating [FBS13]. **Raw** [Gil15]. **Read** [EGQ16]. **Real** [PASR+16, WES16]. **Real-Time** [PASR+16, WES16]. **Reality** [WZB+16]. **realization** [KPP14]. **Reasoning** [DJH+12, KH12, SG12]. **Recognition** [AG13, BL15, BBT+15, CMTB15, CLP+14, KCTH19, MKS+17, PSOC16, PASR+16, SVK16, TSSL15, WES16, YSD15, YK16, SDD12, YLVE12, ZBGD14]. **Recognizer** [BL15]. **Recognizing** [CNI15, HP11]. **Recommendation** [DLMC15, JJJ16, PYDM16, VPB16, RAE+14]. **Recommendations** [PCNB17]. **Recommender** [CdGF+13, CGT12, JWK14, KB17, KK13, KB16]. **Recommenders** [JJ17]. **Recommenders-Overview** [JJ17]. **Recommending** [MVT16]. **Recovery** [MR19]. **Reduce** [KDMA12]. **Refinement** [ZCC+18]. **Reflections** [MHC+18]. **Regression** [CCM14]. **Reinforcement** [CKKD14]. **Relation** [DAW18]. **relations** [vdGPOvB+13]. **Relevance** [VPB16]. **Reliability** [CLS+18]. **Repair** [BPUK18]. **Repeatability** [MKS+17]. **Representation** [PSOC16, RAMZ+17]. **Requesting** [SHY16]. **Research** [BPUK18, JJ17, MKF+15, VPB16, WSL+18]. **resource** [PCK+13]. **Resources** [WBL+13]. **Respiration** [IOKY16b]. **Response** [GKP15, NCWC17, YDL+17]. **Results**

[ZCC+18]. **Retrieval** [KLR+18, HJ11]. **Review** [DK18, MKF+15]. **Reviewers** [Afe18]. **Riedl** [Jam13]. **Risk** [WRH18]. **Robot** [BPUK18, CNI15, GKP15, KFWL14, MR19, NYYT16, RHS19, WRH18, WHLZ18, XZY16, YYT+16, HCDRB12, ONTHS11]. **Robotic** [CLP+14, Hol18]. **Robots** [CFD+14, CKKD14, PLBW17, RAMZ+17]. **Role** [XZY16]. **Roles** [NYYT16]. **Routines** [DFR15].

Say [SG12]. **Scalable** [PCNB17]. **scale** [GR13, PCK+13, YN13]. **Scattered** [ZF17]. **Science** [CDK+18]. **Sclerosis** [MHC+18]. **scrutinize** [KK12]. **Search** [CMPS17, DSV17, KLR+18, ZCC+18]. **section** [AC13, GR13]. **See** [XZY16]. **Selection** [GSC+17]. **Semantic** [PSMO18, RAMZ+17, YSD15]. **Semi** [SKKM15]. **Semi-Structured** [SKKM15]. **Semisupervised** [PYDM16]. **Sense** [DJH+12, KH12, LH12]. **Sensed** [MHC+18]. **Sensing** [AHJR18, VLP+15, EWS12]. **Sensitive** [CLP+14]. **Sensor** [KTD17]. **sensors** [HBP+12]. **Sequence** [MSD+16]. **Sequences** [PCK+18]. **Serendipity** [KB17]. **Series** [KTD17]. **Service** [YYI+16]. **services** [KPP14, TDBL13]. **Shifting** [CDK+18]. **sight** [CSM+12]. **Signal** [OHZ+18]. **SignCom** [GCDN11]. **signers** [GCDN11]. **Situated** [MR19]. **Sketch** [BL15]. **sketched** [HP11]. **Sketching** [HKR+18]. **Skills** [TSN+16]. **Skin** [NCWC17]. **Sleep** [HRKR18]. **Small** [CSD14, CNI15]. **Smart** [MKS+17, AFFB14, MGF13, SLM+13, vdGPOvB+13, DFR15]. **Smartphone** [YT15]. **Smartphones** [ZGZ+16]. **Smiling** [OPM17]. **Snacking** [KDMA12]. **Social** [BMD+15, CDK+18, CNI15, DK15, KFWL14, PSC+16, SCKOGP15, TSN+16, CAB+13, KR14, RAE+14]. **solving** [GR13]. **Sound** [FB18, KP18]. **Spatial** [ZLW17]. **Speak** [IOKY16b]. **Speaker** [IOKY16a].

Special

[BBT⁺¹⁵, CFD⁺¹⁴, FG18, KGCC18, LC18, NBHJ16, SHA^{+15b}, TOF16, AC13, CRP⁺¹², GR13, JR12, SLM⁺¹³, CGHS17, LH12].

Spectrum [WZB⁺¹⁶]. **speech** [EWS12].

Speed [DM17]. **Spotting** [SGS⁺¹²].

Stability [YPL⁺¹⁶]. **Stance** [KPSK17].

States [DLMC15]. **Statistical**

[SYS⁺¹⁵, YPL⁺¹⁶]. **Statistics** [Mar14].

Stimulus [GKP15]. **Stimulus-Response**

[GKP15]. **Storytelling** [SG12]. **Strangers**

[GRNW15]. **String** [DGG16]. **Structured**

[SKKM15]. **Study**

[CGT12, KDMA12, YT15]. **stylistic**

[YIS⁺¹⁴]. **Support**

[CDK⁺¹⁸, SBN⁺¹⁸, VSR12, KR14].

Supporting [DSV17, JLL16]. **Survey**

[KB17, PLBW17]. **Symbolic**

[KCTH19, WHLZ18, YK16]. **System**

[And12, BL15, EGQ16, FWY⁺¹⁸, JLL16,

KP18, KCTH19, YYI⁺¹⁶, YDL⁺¹⁷,

GCDN11, YN13]. **Systematic**

[MSD⁺¹⁶, YK16]. **Systems**

[CMTB15, CdGF⁺¹³, CGT12, CFD⁺¹⁴,

CKKD14, JWK14, KB17, KDMA12, KK13,

KGCC18, KB16, NBHJ16, HJ11, JR12,

KK12, CGHS17, JR11, LH12].

Tag [VSR12, RAE⁺¹⁴]. **tagging** [RAE⁺¹⁴].

Tailored [KDMA12]. **taking** [JFNY13].

talk [DG12]. **talking** [DG12]. **Talks**

[VPB16]. **tangible** [vdGPOvB⁺¹³]. **Task**

[AMN⁺¹³, KLR⁺¹⁸, KPP14, PASR⁺¹⁶,

SCC14]. **Tasks** [GRC⁺¹²]. **Taxonomy**

[MKF⁺¹⁵]. **Teaching** [TSN⁺¹⁶].

Technique [CCM14, YSD15]. **techniques**

[YIS⁺¹⁴]. **Technologies**

[SBN⁺¹⁸, HBP⁺¹²]. **tensor** [RAE⁺¹⁴].

Testing [MSD⁺¹⁶]. **Text**

[KDMA12, KSW⁺¹¹]. **Textual** [SG12].

Their [KW16]. **Theme** [SKG⁺¹⁸]. **Theory**

[GGC⁺¹⁹, SYS⁺¹⁵]. **There** [YYI⁺¹⁶].

things [CAB⁺¹³]. **Thread** [ZF17]. **TiiS**

[KGCC18]. **Time** [DM17, GGC⁺¹⁹, KTD17,

PASR⁺¹⁶, WES16].

Time-correlation-partitioning [GGC⁺¹⁹].

Time-Series [KTD17]. **To-Do** [GRC⁺¹²].

Topic [HC16, YPL⁺¹⁶]. **Touch**

[CNI15, EGQ16]. **Touchscreen** [ZGZ⁺¹⁶].

Traffic [Riv14]. **Training**

[MBD⁺¹⁵, PASR⁺¹⁶]. **Traits** [KW16].

Trajectories [CMGM18]. **Transactions**

[KGCC18, JR11]. **Transfer** [PYDM16].

Tree [GGC⁺¹⁹]. **Triggering** [KR14]. **Trust**

[AHJR18, BPUK18, CLS⁺¹⁸, KGCC18,

WRH18, WHLZ18]. **Trust-Based**

[WHLZ18]. **Truth** [DAW18]. **turn**

[JFNY13]. **turn-taking** [JFNY13]. **Tutorial**

[Gil15]. **Tutoring** [RHS19].

Ubiquitously [MHC⁺¹⁸]. **Understanding**

[BPUK18, SHA^{+15b}, SHA^{+15a}].

Unsupervised [YSD15]. **Updatable**

[PCNB17]. **Urban** [PSMO18]. **Usability**

[YPL⁺¹⁶]. **User**

[CRO⁺¹⁶, CMPS17, COAR16, DSV17,

DK18, FB18, FWY⁺¹⁸, JWK14, NCWC17,

OPM17, SLMK18, SCC14, INN13, KSW⁺¹¹].

User-Centered [FB18]. **User-Driven**

[DSV17]. **Users** [VPB16]. **Using**

[AHJR18, BLV14, BDO⁺¹⁶, CDK⁺¹⁸, FB18,

HRKR18, IOKY16a, IOKY16b, PSMO18,

SYS⁺¹⁵, SG12, YYI⁺¹⁶, AFFB14, SGS⁺¹²].

USMART [YSD15]. **Utilizing** [PCK⁺¹³].

Validation [CMGM18]. **Value** [RAMZ⁺¹⁷].

Variation [CMTB15]. **Vehicle** [DM17].

Video [BDO⁺¹⁶, SCKOGP15]. **VideoMob**

[GRNW15]. **videos** [YLVE12]. **Violent**

[Hol18]. **Virtual**

[PLBW17, TSSL15, WZB⁺¹⁶, GCDN11].

VisForum [FWY⁺¹⁸]. **Vision** [BLV14].

Visitor [DK15]. **Visual**

[CCM14, DSV17, EGQ16, FWY⁺¹⁸,

GGC⁺¹⁹, KCC⁺¹⁹, KPSK17, LC18,

NSMM18, SLMK18, SKKM15, SKG⁺¹⁸,

VPB16, ZLW17, AFFB14]. **Visual-Spatial**

[ZLW17]. **Visualization**

[AG13, GSC⁺17, Riv14, SCC14].
Visualizations [MVT16]. **Visualizing**
 [MHC⁺18, WSL⁺18]. **Visuals** [ABJ15].
VizRec [MVT16]. **Vlog** [SCKOGP15].
Volume [MSD⁺16]. **Vs** [VPB16].

watching [YLVE12]. **Wearable** [MBD⁺15].
Wearables [HRKR18]. **Web** [AMN⁺13,
 WBL⁺13]. **Who** [IOKY16a, IOKY16b].
Why-oriented [KSW⁺11]. **Will** [IOKY16a,
 IOKY16b]. **Wizard** [BL15]. **Workflows**
 [DFR15, JJJ16]. **Workload** [CLS⁺18].
world [CAB⁺13]. **WOZ** [BL15]. **Writing**
 [TVCL16].

References

- [ABJ15] Sarah Fdili Alaoui, Frederic Bevilacqua, and Christian Jacquemin. Interactive visuals as metaphors for dance movement qualities. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(3):13:1–13:??, October 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [AC13] Elisabeth André and Joyce Chai. Introduction to the special section on eye gaze and conversation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(2):10:1–10:??, July 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [Afe18] Daniel Afergan. Distinguished reviewers. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):32:1–32:??, November 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3283374&ftid=2018446&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.
- [AFFB14] Ilias Apostolopoulos, Navid Fallah, Eelke Folmer, and Kostas E. Bekris. Integrated online localization and navigation for people with visual impairments using smart phones. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(4):21:1–21:??, January 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [AG13] Ofra Amir and Ya'akov (Kobi) Gal. Plan recognition and visualization in exploratory learning environments. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):16:1–16:??, October 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Afergan:2018:DR

Apostolopoulos:2014:IOL

Alaoui:2015:IVM

Andre:2013:ISS

Amir:2013:PRV

- [AHJR18] **Akash:2018:CMS** Kumar Akash, Wan-Lin Hu, Neera Jain, and Tahira Reid. A classification model for sensing human trust in machines using EEG and GSR. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):27:1–27:??, November 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3132743&ftid=2018445&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C. ■
- [AMN⁺13] **Amershi:2013:LAW** Saleema Amershi, Jalal Mahmud, Jeffrey Nichols, Tessa Lau, and German Attanasio Ruiz. LiveAction: Automating Web task model generation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):14:1–14:??, October 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [And12] **Andrews:2012:SPP** Pierre Y. Andrews. System personality and persuasion in human-computer dialogue. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(2):12:1–12:??, June 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [AUMT16] **Aslan:2016:DEM** İlhan Aslan, Andreas Uhl, Alexander Meschtscherjakov, and Manfred Tscheligi. Design and exploration of mid-air authentication gestures. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(3):23:1–23:??, October 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [BBT⁺15] **Bulling:2015:ISI** Andreas Bulling, Ulf Blanke, Desney Tan, Jun Rekimoto, and Gregory Abowd. Introduction to the special issue on activity recognition for interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(4):16:1–16:??, January 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [BDO⁺16] **Bosch:2016:UVA** Nigel Bosch, Sidney K. D’mello, Jaclyn Ocumpaugh, Ryan S. Baker, and Valerie Shute. Using video to automatically detect learner affect in computer-enabled classrooms. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):17:1–17:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Berkovsky:2012:IIF

- [BFOK12] Shlomo Berkovsky, Jill Freyne, and Harri Oinas-Kukkonen. Influencing individually: Fusing personalization and persuasion. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(2):9:1–9:??, June 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Bott:2015:WRW

- [BL15] Jared N. Bott and Joseph J. Laviola Jr. The WOZ Recognizer: a Wizard of Oz sketch recognition system. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(3):15:1–15:??, October 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Benotti:2014:INL

- [BLV14] Luciana Benotti, Tessa Lau, and Martín Villalba. Interpreting natural language instructions using language, vision, and behavior. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(3):13:1–13:??, August 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Baur:2015:CAA

- [BMD⁺15] Tobias Baur, Gregor Mehlmann, Ionut Damian, Florian Lingensfelder, Johannes Wagner, Birgit Lugin, Elisabeth

André, and Patrick Gebhard. Context-aware automated analysis and annotation of social human-agent interactions. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(2):11:1–11:??, July 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Baker:2018:TUT

- [BPUK18] Anthony L. Baker, Elizabeth K. Phillips, Daniel Ullman, and Joseph R. Keebler. Toward an understanding of trust repair in human-robot interaction: Current research and future directions. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):30:1–30:??, November 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3181671&ftid=2025112&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Beck:2012:EBL

- [BSBC12] Aryel Beck, Brett Stevens, Kim A. Bard, and Lola Cañamero. Emotional body language displayed by artificial agents. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(1):2:1–2:??, March 2012. CODEN ???? ISSN 2160-

6455 (print), 2160-6463 (electronic).

Console:2013:ISN

[CAB⁺13]

Luca Console, Fabrizio Antonelli, Giulia Biamino, Francesca Carmagnola, Federica Cena, Elisa Chiabrando, Vincenzo Cuciti, Matteo Demichelis, Franco Fassio, Fabrizio Franceschi, Roberto Furnari, Cristina Gena, Marina Geymonat, Piercarlo Grimaldi, Pierluige Grillo, Silvia Likavec, Ilaria Lombardi, Dario Mana, Alessandro Marcengo, Michele Moli, Mario Mirabelli, Monica Perrero, Claudia Picardi, Federica Protti, Amon Rapp, Rossana Simeoni, Daniele Theseider Dupré, Ilaria Torre, Andrea Toso, Fabio Torta, and Fabiana Vernerio. Interacting with social networks of intelligent things and people in the world of gastronomy. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(1):4:1–4:??, April 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Chan:2014:RCT

[CCM14]

Yu-Hsuan Chan, Carlos D. Correa, and Kwan-Liu Ma. Regression Cube: a technique for multidimensional visual exploration and interactive pattern finding. *ACM Transactions on Interactive*

Intelligent Systems (TIIS), 4(1):7:1–7:??, April 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Chen:2013:HDM

Li Chen, Marco de Gemmis, Alexander Felfernig, Pasquale Lops, Francesco Ricci, and Giovanni Semeraro. Human decision making and recommender systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):17:1–17:??, October 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Chen:2018:UML

Nan-Chen Chen, Margaret Drouhard, Rafal Kocielnik, Jina Suh, and Cecilia R. Aragon. Using machine learning to support qualitative coding in social science: Shifting the focus to ambiguity. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):9:1–9:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Cuayahuitl:2014:ISI

Heriberto Cuayahuitl, Lutz Frommberger, Nina Dethlefs, Antoine Raux, Mathew Marge, and Hendrik Zender. Introduction to the special issue on machine learning for multiple modal-

ities in interactive systems and robots. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(3):12e:1–12e:??, October 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Cena:2017:ISI

[CGHS17]

F. Cena, C. Gena, G. J. Houben, and M. Strohmaier. Introduction to the Special Issue on Big Personal Data in Interactive Intelligent Systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(2):6:1–6:??, July 2017. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Cremonesi:2012:IPP

[CGT12]

Paolo Cremonesi, Franca Garzotto, and Roberto Turin. Investigating the persuasion potential of recommender systems from a quality perspective: an empirical study. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(2):11:1–11:??, June 2012. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Cuayahuitl:2014:NHR

[CKKD14]

Heriberto Cuayahuitl, Ivana Kruijff-Korbayová, and Nina Dethlefs. Nonstrict hierarchical reinforcement learning for interactive systems

and robots. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(3):15:1–15:??, October 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Castellano:2014:CSA

[CLP⁺14]

Ginevra Castellano, Iolanda Leite, André Pereira, Carlos Martinho, Ana Paiva, and Peter W. Mcowan. Context-sensitive affect recognition for a robotic game companion. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(2):10:1–10:??, July 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Chien:2018:ECT

[CLS⁺18]

Shih-Yi Chien, Michael Lewis, Katia Sycara, Jyi-Shane Liu, and Asiye Kumru. The effect of culture on trust in automation: Reliability and workload. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):29:1–29:??, November 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3230736&ftid=2022735&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Carreno-Medrano:2018:PVG

- [CMGM18] Pamela Carreno-Medrano, Sylvie Gibet, and Pierre-François Marteau. Perceptual validation for the generation of expressive movements from end-effector trajectories. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3): 24:1–24:??, August 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Cassavia:2017:DUB

- [CMPS17] Nunziato Cassavia, Elio Masciari, Chiara Pulice, and Domenico Saccà. Discovering user behavioral features to enhance information search on big data. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(2): 7:1–7:??, July 2017. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Caramiaux:2015:AGR

- [CMTB15] Baptiste Caramiaux, Nicola Montecchio, Atau Tanaka, and Frédéric Bevilacqua. Adaptive gesture recognition with variation estimation for interactive systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(4):18:1–18:??, January 2015. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Cooney:2015:AIS

- [CNI15] Martin Cooney, Shuichi Nishio, and Hiroshi Ishiguro. Affectionate interaction with a small humanoid robot capable of recognizing social touch behavior. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(4):19:1–19:??, January 2015. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Clark:2016:MAA

- [COAR16] Leigh Clark, Abdulmalik Ofemile, Svenja Adolphs, and Tom Rodden. A multi-modal approach to assessing user experiences with agent helpers. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(4): 29:1–29:??, December 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Chen:2014:EPM

- [CQW⁺14] Yingjie Victor Chen, Zhenyu Cheryl Qian, Robert Woodbury, John Dill, and Chris D. Shaw. Employing a parametric model for analytic provenance. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(1): 6:1–6:??, April 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

- [CRC⁺12] **Chen:2012:MBI**
 Fang Chen, Natalie Ruiz, Eric Choi, Julien Epps, M. Asif Khawaja, Ronnie Taib, Bo Yin, and Yang Wang. Multimodal behavior and interaction as indicators of cognitive load. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(4):22:1–22:??, December 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [CRO⁺16] **Cafaro:2016:EIA**
 Angelo Cafaro, Brian Ravenet, Magalie Ochs, Hannes Högni Vilhjálmsón, and Catherine Pelachaud. The effects of interpersonal attitude of a group of agents on user’s presence and proxemics behavior. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):12:1–12:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [CRP⁺12] **Castellano:2012:ISI**
 Ginevra Castellano, Laurel D. Riek, Christopher Peters, Kostas Karpouzis, Jean-Claude Martin, and Louis-Philippe Morency. Introduction to the special issue on affective interaction in natural environments. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(1):1:1–1:??, March 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [CSD14] **Callaway:2014:EMD**
 Charles Callaway, Oliviero Stock, and Elyon Dekoven. Experiments with mobile drama in an instrumented museum for inducing conversation in small groups. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(1):2:1–2:??, April 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [CSM⁺12] **Carberry:2012:AMA**
 Sandra Carberry, Stephanie Elzer, Schwartz, Kathleen Mccoy, Seniz Demir, Peng Wu, Charles Greenbacker, Daniel Chester, Edward Schwartz, David Oliver, and Priscilla Moraes. Access to multimodal articles for individuals with sight impairments. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(4):21:1–21:??, December 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [DAW18] **Dumitrache:2018:CGT**
 Anca Dumitrache, Lora Aroyo, and Chris Welty. Crowdsourcing ground truth for medical relation extraction. *ACM Transactions on Interactive Intelligent*

Systems (TIIS), 8(2):11:1–11:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

DeCarolis:2015:ILD

[DHS⁺17]

[DFR15]

Berardina De Carolis, Stefano Ferilli, and Domenico Redavid. Incremental learning of daily routines as workflows in a Smart home environment. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(4):20:1–20:??, January 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Dmello:2012:AAA

[DJH⁺12]

[DG12]

Sidney D’mello and Art Graesser. AutoTutor and Affective Autotutor: Learning by talking with cognitively and emotionally intelligent computers that talk back. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(4):23:1–23:??, December 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Dardard:2016:ACL

[DK15]

[DGG16]

Floriane Dardard, Giorgio Gnecco, and Donald Glowinski. Automatic classification of leading interactions in a string quartet. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1):5:1–5:??, May 2016. CODEN

???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Davis:2017:QCC

N. Davis, C. Hsiao, K. Y. Singh, B. Lin, and B. Magerko. Quantifying collaboration with a co-creative drawing agent. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(4):19:1–19:??, December 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Dinakar:2012:CSR

Karthik Dinakar, Birago Jones, Catherine Havasi, Henry Lieberman, and Rosalind Picard. Common sense reasoning for detection, prevention, and mitigation of cyberbullying. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(3):18:1–18:??, September 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Dim:2015:ADS

Eyal Dim and Tsvi Kuflik. Automatic detection of social behavior of museum visitor pairs. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(4):17:1–17:??, January 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Dudley:2018:RUI

[DK18]

John J. Dudley and Per Ola Kristensson. A review of user interface design for interactive machine learning. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):8:1–8:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Deng:2015:ESA

[DLMC15]

James J. Deng, Clement H. C. Leung, Alfredo Milani, and Li Chen. Emotional states associated with music: Classification, prediction of changes, and consideration in recommendation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(1):4:1–4:??, March 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Duncan:2017:ESC

[DM17]

Brittany A. Duncan and Robin R. Murphy. Effects of speed, cyclicity, and dimensionality on distancing, time, and preference in human–aerial vehicle interactions. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(3):13:1–13:??, October 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Dodson:2013:ELA

[DMGG13]

Thomas Dodson, Nicholas Mattei, Joshua T. Guerin, and Judy Goldsmith. An English-language argumentation interface for explanation generation with Markov decision processes in the domain of academic advising. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):18:1–18:??, October 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

DiSciascio:2017:SES

[DSV17]

Cecilia Di Sciascio, Vedran Sabol, and Eduardo Veas. Supporting exploratory search with a visual user-driven approach. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(4):18:1–18:??, December 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

El-Glaly:2016:RWY

[EGQ16]

Yasmine N. El-Glaly and Francis Quek. Read what you touch with intelligent audio system for non-visual interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(3):24:1–24:??, October 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

- Eyben:2012:MAC**
- [EWS12] Florian Eyben, Martin Wöllmer, and Björn Schuller. A multi-task approach to continuous five-dimensional affect sensing in natural speech. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(1):6:1–6:??, March 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Francoise:2018:MSM**
- [FB18] Jules Françoise and Frédéric Bevilacqua. Motion-sound mapping through interaction: an approach to user-centered design of auditory feedback using machine learning. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):16:1–16:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Fang:2014:CLM**
- [FBC14] Yi Fang, Ziad Al Bawab, and Jean-Francois Crespo. Collaborative language models for localized query prediction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(2):9:1–9:??, July 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Freyne:2013:RBP**
- [FBS13] Jill Freyne, Shlomo Berkovsky, and Gregory Smith. Rating bias and preference acquisition. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):19:1–19:??, October 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Fiebrink:2018:ISI**
- [FG18] Rebecca Fiebrink and Marco Gillies. Introduction to the special issue on human-centered machine learning. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):7:1–7:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Fu:2018:VVA**
- [FWY+18] Siwei Fu, Yong Wang, Yi Yang, Qingqing Bi, Fangzhou Guo, and Huamin Qu. VisForum: a visual analysis system for exploring user groups in online forums. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(1):3:1–3:??, March 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Gibet:2011:SSD**
- [GCDN11] Sylvie Gibet, Nicolas Courty, Kyle Duarte, and Thibaut Le Naour. The SignCom system for data-driven animation of interactive virtual signers: Methodology and evaluation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 1(1):1:1–1:??, January 2011. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

tions on Interactive Intelligent Systems (TIIS), 1(1): 6:1–6:??, October 2011. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Guo:2019:VEA

[GGC⁺19]

Fangzhou Guo, Tianlong Gu, Wei Chen, Feiran Wu, Qi Wang, Lei Shi, and Huamin Qu. Visual exploration of air quality data with a time-correlation-partitioning tree based on information theory. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 9(1):4:1–4:??, February 2019. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). URL

https://dl.acm.org/ft_gateway.cfm?id=3182187&ftid=2040397&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Gil:2015:HTI

[Gil15]

Yolanda Gil. Human tutorial instruction in the raw. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(1):2:1–2:??, March 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Gianni:2015:SRF

[GKP15]

Mario Gianni, Geert-Jan M. Kruijff, and Fiora Pirri. A stimulus-response framework

for robot control. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(4):21:1–21:??, January 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Giunchiglia:2013:ISS

Fausto Giunchiglia and David Robertson. Introduction to the special section on Internet-scale human problem solving. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(1):1:1–1:??, April 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Gil:2012:CCK

Yolanda Gil, Varun Ratnakar, Timothy Chklovski, Paul Groth, and Denny Vrandečić. Capturing common knowledge about tasks: Intelligent assistance for to-do lists. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(3):15:1–15:??, September 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Grenader:2015:VIA

[GRNW15]

Emily Grenader, Danilo Gasques Rodrigues, Fernando Nos, and Nadir Weibel. The VideoMob interactive art installation connecting strangers through inclusive digital

crowds. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(2): 7:1–7:??, July 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Gotz:2017:ACM

[GSC⁺17]

David Gotz, Shun Sun, Nan Cao, Rita Kundu, and Anne-Marie Meyer. Adaptive contextualization methods for combating selection bias during high-dimensional visualization. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(4): 17:1–17:??, December 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Hoey:2012:PSD

[HBP⁺12]

Jesse Hoey, Craig Boutilier, Pascal Poupart, Patrick Olivier, Andrew Monk, and Alex Mihailidis. People, sensors, decisions: Customizable and adaptive technologies for assistance in healthcare. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(4):20:1–20:??, December 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Hoque:2016:ITM

[HC16]

Enamul Hoque and Giuseppe Carenini. Interactive topic modeling for exploring asynchronous online conversations: Design and evaluation

of ConVisIT. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1): 7:1–7:??, May 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Hiolle:2012:ECB

[HCDRB12]

Antoine Hiolle, Lola Cañamero, Marina Davila-Ross, and Kim A. Bard. Eliciting caregiving behavior in dyadic human-robot attachment-like interactions. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(1): 3:1–3:??, March 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Hoi:2011:AMK

[HJ11]

Steven C. H. Hoi and Rong Jin. Active multiple kernel learning for interactive 3D object retrieval systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 1(1):3:1–3:??, October 2011. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Harper:2016:MDH

[HK16]

F. Maxwell Harper and Joseph A. Konstan. The MovieLens datasets: History and context. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(4):19:1–19:??, January 2016. CODEN ???? ISSN 2160-

6455 (print), 2160-6463 (electronic).

Hammond:2018:JAA

[HKR⁺18]

Tracy Hammond, Shalini Priya Ashok Kumar, Matthew Runyon, Josh Cherian, Blake Williford, Swarna Keshavabhotla, Stephanie Valentine, Wayne Li, and Julie Linsey. It's not just about accuracy: Metrics that matter when modeling expert sketching ability. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3):19:1–19:??, August 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Holbrook:2018:CVI

[Hol18]

Colin Holbrook. Cues of violent intergroup conflict diminish perceptions of robotic personhood. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):28:1–28:??, November 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3181674&ftid=2034625&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Hammond:2011:RSM

[HP11]

Tracy Hammond and Brandon Paulson. Recognizing sketched multistroke primitives. *ACM Transactions on*

Interactive Intelligent Systems (TIIS), 1(1):4:1–4:??, October 2011. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Hossain:2018:ASM

[HRKR18]

H. M. Sajjad Hossain, Sreenivasan R. Ramamurthy, Md Abdullah Al Hafiz Khan, and Nirmalya Roy. An active sleep monitoring framework using wearables. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3):22:1–22:??, August 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Ishii:2013:GAC

[INN13]

Ryo Ishii, Yukiko I. Nakano, and Toyoaki Nishida. Gaze awareness in conversational agents: Estimating a user's conversational engagement from eye gaze. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(2):11:1–11:??, July 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Ishii:2016:PWW

Ryo Ishii, Kazuhiro Otsuka, Shiro Kumano, and Junji Yamato. Prediction of who will be the next speaker and when using gaze behavior in multiparty meetings. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6

- (1):4:1–4:??, May 2016. CODEN ????. ISSN 2160-6455 (print), 2160-6463 (electronic). [JJ17]
- [IOKY16b] **Ishii:2016:URP**
Ryo Ishii, Kazuhiro Otsuka, Shiro Kumano, and Junji Yamato. Using respiration to predict who will speak next and when in multi-party meetings. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):20:1–20:??, August 2016. CODEN ????. ISSN 2160-6455 (print), 2160-6463 (electronic). [JL16]
- [Jam13] **Jameson:2013:MJR**
Anthony Jameson. In memoriam: John Riedl. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):13:1–13:??, October 2013. CODEN ????. ISSN 2160-6455 (print), 2160-6463 (electronic). [JR11]
- [JFNY13] **Jokinen:2013:GTT**
Kristiina Jokinen, Hirohisa Furukawa, Masafumi Nishida, and Seiichi Yamamoto. Gaze and turn-taking behavior in casual conversational interactions. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(2):12:1–12:??, July 2013. CODEN ????. ISSN 2160-6455 (print), 2160-6463 (electronic). [JR12]
- Jugovac:2017:IRO**
Michael Jugovac and Dietmar Jannach. Interacting with recommenders-overview and research directions. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(3):10:1–10:??, October 2017. CODEN ????. ISSN 2160-6455 (print), 2160-6463 (electronic).
- Jannach:2016:SDM**
Dietmar Jannach, Michael Jugovac, and Lukas Lerche. Supporting the design of machine learning workflows with a recommendation system. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1):8:1–8:??, May 2016. CODEN ????. ISSN 2160-6455 (print), 2160-6463 (electronic).
- Jameson:2011:ITI**
Anthony Jameson and John Riedl. Introduction to the Transactions on Interactive Intelligent Systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 1(1):1:1–1:??, October 2011. CODEN ????. ISSN 2160-6455 (print), 2160-6463 (electronic).
- Jameson:2012:ISI**
Anthony Jameson and John Riedl. Introduction to the special issue on highlights of the decade in interactive

- intelligent systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(4):19:1–19:??, December 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [JWK14] **Jawaheer:2014:MUP**
Gawesh Jawaheer, Peter Weller, and Patty Kostkova. Modeling user preferences in recommender systems: a classification framework for explicit and implicit user feedback. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(2):8:1–8:??, July 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [KB16] **Kveton:2016:MIC**
Branislav Kveton and Shlomo Berkovsky. Minimal interaction content discovery in recommender systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):15:1–15:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [KB17] **Kaminskas:2017:DSN**
Marius Kaminskas and Derek Bridge. Diversity, serendipity, novelty, and coverage: a survey and empirical analysis of beyond-accuracy objectives in recommender systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(1):2:1–2:??, March 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [KCC+19] **Krokos:2019:EDL**
Eric Krokos, Hsueh-Chen Cheng, Jessica Chang, Bohdan Nebesh, Celeste Lyn Paul, Kirsten Whitley, and Amitabh Varshney. Enhancing deep learning with visual interactions. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 9(1):5:1–5:??, February 2019. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [KCTH19] **Koh:2019:DHG**
Jung In Koh, Josh Cherian, Paul Taele, and Tracy Hammond. Developing a hand gesture recognition system for mapping symbolic hand gestures to analogous emojis in computer-mediated communication. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 9(1):6:1–6:??, February 2019. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [KDMA12] **Kaptein:2012:APS**
Maurits Kaptein, Boris De Ruyter, Panos Markopoulos, and Emile Aarts. Adaptive persuasive systems: a study of tailored persuasive text messages to reduce snacking.

ACM Transactions on Interactive Intelligent Systems (TIIS), 2(2):10:1–10:??, June 2012. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Keizer:2014:MLS

[KFWL14]

Simon Keizer, Mary Ellen Foster, Zhuoran Wang, and Oliver Lemon. Machine learning for social multi-party human–robot interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(3):14:1–14:??, October 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Knott:2018:ATI

[KGCC18]

Benjamin A. Knott, Jonathan Gratch, Angelo Cangelosi, and James Caverlee. ACM Transactions on Interactive Intelligent Systems (TiIS) special issue on trust and influence in intelligent human-machine interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):25:1–25:??, November 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3281451&ftid=2022734&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Kuo:2012:PRM

[KH12]

Yen-Ling Kuo and Jane

Yung-Jen Hsu. Planning for reasoning with multiple common sense knowledge bases. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(3):17:1–17:??, September 2012. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Kay:2012:CPS

[KK12]

Judy Kay and Bob Kummerfeld. Creating personalized systems that people can scrutinize and control: Drivers, principles and experience. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(4):24:1–24:??, December 2012. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Knijnenburg:2013:MDA

[KK13]

Bart P. Knijnenburg and Alfred Kobsa. Making decisions about privacy: Information disclosure in context-aware recommender systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):20:1–20:??, October 2013. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Koskela:2018:PIR

Markus Koskela, Petri Luukkonen, Tuukka Ruotsalo, Mats Sjöberg, and Patrik Floréen. Proactive information retrieval by capturing search

- intent from primary task context. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3):20:1–20:??, August 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [KR14]
- [KP18] Bongjun Kim and Bryan Pardo. A human-in-the-loop system for sound event detection and annotation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):13:1–13:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [Kim:2018:HLS]
- [KPP14] K. Kritikos, D. Plexousakis, and F. Paternò. Task model-driven realization of interactive application functionality through services. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(4):25:1–25:??, January 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [Kritikos:2014:TMD]
- [KPSK17] Kostiantyn Kucher, Carita Paradis, Magnus Sahlgren, and Andreas Kerren. Active learning and visual analytics for stance classification with ALVA. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(3):14:1–14:??, October 2017. [Kucher:2017:ALV]
- [KSW+11] Todd Kulesza, Simone Stumpf, Weng-Keen Wong, Margaret M. Burnett, Stephen Perona, Andrew Ko, and Ian Oberst. Why-oriented end-user debugging of naive Bayes text classification. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 1(1):2:1–2:??, October 2011. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [Kulesza:2011:WOE]
- [Kumar:2014:TES] Rohit Kumar and Carolyn P. Rosé. Triggering effective social support for on-line groups. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(4):24:1–24:??, January 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [Kumar:2014:TES]
- [Kim:2017:MML] Seungjun Kim, Dan Tasse, and Anind K. Dey. Making machine-learning applications for time-series sensor data graphical and interactive. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(2):8:1–8:??, July 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [Kim:2017:MML]

- [KW16] **Knijnenburg:2016:ICI**
 Bart P. Knijnenburg and Martijn C. Willemsen. Inferring capabilities of intelligent agents from their external traits. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(4):28:1–28:??, December 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [LC18] **Lin:2018:GES**
 Yu-Ru Lin and Nan Cao. Guest editorial: Special issue on interactive visual analysis of human and crowd behaviors. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(1):1:1–1:??, March 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [LH12] **Lieberman:2012:ISI**
 Henry Lieberman and Catherine Havasi. Introduction to the Special Issue on Common Sense for Interactive Systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(3):14:1–14:??, September 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [Mar14] **Martens:2014:ISI**
 Jean-Bernard Martens. Interactive statistics with Illmo. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(1):4:1–4:??, April 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [MBD⁺15] **Mazilu:2015:WAG**
 Sinziana Mazilu, Ulf Blanke, Moran Dorfman, Eran Gazit, Anat Mirelman, Jeffrey M. Hausdorff, and Gerhard Tröster. A wearable assistant for gait training for Parkinson’s disease with freezing of gait in out-of-the-lab environments. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(1):5:1–5:??, March 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [MBR16] **Mahmoud:2016:AAN**
 Marwa Mahmoud, Tadas Baltrusaitis, and Peter Robinson. Automatic analysis of naturalistic hand-over-face gestures. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):19:1–19:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [MGF13] **Molyneaux:2013:CAM**
 David Molyneaux, Hans Gellersen, and Joe Finney. Cooperative augmentation of mobile smart objects with projected displays. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3

(2):7:1–7:??, July 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Morrison:2018:VUS

[MHC⁺18]

Cecily Morrison, Kit Huckvale, Bob Corish, Richard Banks, Martin Grayson, Jonas Dorn, Abigail Sellen, and S an Lindley. Visualizing ubiquitously sensed measures of motor ability in multiple sclerosis: Reflections on communicating machine learning in practice. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):12:1–12:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Meignan:2015:RTI

[MKF⁺15]

David Meignan, Sigrid Knust, Jean-Marc Frayret, Gilles Pesant, and Nicolas Gaud. A review and taxonomy of interactive optimization methods in operations research. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(3):17:1–17:??, October 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Masai:2017:EFE

[MKS⁺17]

Katsutoshi Masai, Kai Kunze, Yuta Sugiura, Masa Ogata, Masahiko Inami, and Maki Sugimoto. Evaluation of facial expression recognition

by a smart eyewear for facial direction changes, repeatability, and positional drift. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(4):15:1–15:??, December 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Marge:2019:MDR

[MR19]

Matthew Marge and Alexander I. Rudnicky. Miscommunication detection and recovery in situated human-robot dialogue. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 9(1):3:1–3:??, February 2019. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3237189&ftid=2040435&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Malik:2016:HVH

[MSD⁺16]

Sana Malik, Ben Shneiderman, Fan Du, Catherine Plaisant, and Margret Bjarnadottir. High-volume hypothesis testing: Systematic exploration of event sequence comparisons. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1):9:1–9:??, May 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Mutlu:2016:VRP

[MVT16]

Belgin Mutlu, Eduardo

Veas, and Christoph Trattner. VizRec: Recommending personalized visualizations. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(4):31:1–31:??, December 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Nakano:2016:ISI

[NBHJ16]

Yukiko I. Nakano, Roman Bednarik, Hung-Hsuan Huang, and Kristiina Jokinen. Introduction to the special issue on new directions in eye gaze for interactive intelligent systems. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1):1:1–1:??, May 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Nourbakhsh:2017:DUC

[NCWC17]

Nargess Nourbakhsh, Fang Chen, Yang Wang, and Rafael A. Calvo. Detecting users' cognitive load by galvanic skin response with affective interference. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(3):12:1–12:??, October 2017. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Niewiadomski:2019:AMQ

[NKP⁺19]

Radoslaw Niewiadomski, Ksenia Kolykhalova, Stefano Piana, Paolo Alborno, Gualtiero Volpe, and Antonio Camurri.

Analysis of movement quality in full-body physical activities. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 9(1):1:1–1:??, February 2019. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3132369&ftid=2040395&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Ngo:2014:EIM

[NLN⁺14]

Hung Ngo, Matthew Luciw, Jawas Nagi, Alexander Forster, Jürgen Schmidhuber, and Ngo Anh Vien. Efficient interactive multi-class learning from binary feedback. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(3):12:1–12:??, August 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Nourashrafeddin:2018:VAI

[NSMM18]

Syednaser Nourashrafeddin, Ehsan Sherkat, Rosane Minghim, and Evangelos E. Milios. A visual approach for interactive keyterm-based clustering. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(1):6:1–6:??, March 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

- [NWP⁺18] **Narzt:2018:ECA** Wolfgang Narzt, Otto Weichselbaum, Gustav Pomberger, Markus Hofmarcher, Michael Strauss, Peter Holzkorn, Roland Haring, and Monika Sturm. Estimating collective attention toward a public display. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3):21:1–21:??, August 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [ONTHS11] **Okita:2011:MAA** Sandra Y. Okita, Victor Ng-Thow-Hing, and Ravi K. Sarvadevabhatla. Multimodal approach to affective human-robot interaction design with children. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 1(1):5:1–5:??, October 2011. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [NYYT16] **Nakano:2016:GRG** Yukiko I. Nakano, Takashi Yoshino, Misato Yatsushiro, and Yutaka Takase. Generating robot gaze on the basis of participation roles and dominance estimation in multiparty interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(4):22:1–22:??, January 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [OPM17] **Ochs:2017:UPB** Magalie Ochs, Catherine Pelachaud, and Gary Mckeown. A user perception-based approach to create smiling embodied conversational agents. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(1):4:1–4:??, March 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [OHZ⁺18] **Oviatt:2018:DHS** S. Oviatt, K. Hang, J. Zhou, K. Yu, and F. Chen. Dynamic handwriting signal features predict domain expertise. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3):18:1–18:??, August 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PAGM15] **Pejsa:2015:GAM** Tomislav Pejsa, Sean Andrist, Michael Gleicher, and Bilge Mutlu. Gaze and attention management for embodied conversational agents. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(1):3:1–3:??, March 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

- [PASR⁺16] **Prendinger:2016:IBT**
 Helmut Prendinger, Nahum Alvarez, Antonio Sanchez-Ruiz, Marc Cavazza, João Catarino, João Oliveira, Rui Prada, Shuji Fujimoto, and Mika Shigematsu. Intelligent biohazard training based on real-time task recognition. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(3):21:1–21:??, October 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PCK⁺13] **Poesio:2013:PDU**
 Massimo Poesio, Jon Chamberlain, Udo Kruschwitz, Livio Robaldo, and Luca Ducceschi. Phrase detectives: Utilizing collective intelligence for Internet-scale language resource creation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(1):3:1–3:??, April 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PCK⁺18] **Polack:2018:CIM**
 Peter J. Polack Jr., Shang-Tse Chen, Minsuk Kahng, Kaya De Barbaro, Rahul Basole, Moushumi Sharmin, and Duen Horng Chau. Chronodes: Interactive multifocus exploration of event sequences. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(1):2:1–2:??, March 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PCNB17] **Paudel:2017:UAD**
 Bibek Paudel, Fabian Christofel, Chris Newell, and Abraham Bernstein. Updatable, accurate, diverse, and scalable recommendations for interactive applications. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(1):1:1–1:??, March 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PKCS12] **Park:2012:CFM**
 Souneil Park, Seungwoo Kang, Sangyoung Chung, and Junehwa Song. A computational framework for media bias mitigation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(2):8:1–8:??, June 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PLBW17] **Paiva:2017:EVA**
 Ana Paiva, Iolanda Leite, Hana Boukricha, and Ipke Wachsmuth. Empathy in virtual agents and robots: a survey. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(3):11:1–11:??, October 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

- [PSC⁺16] **Park:2016:MAP** Sunghyun Park, Han Suk Shim, Moitreya Chatterjee, Kenji Sagae, and Louis-Philippe Morency. Multi-modal analysis and prediction of persuasiveness in on-line social multimedia. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(3):25:1–25:??, October 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PYDM16] **Pan:2016:TLS** Weike Pan, Qiang Yang, Yuchao Duan, and Zhong Ming. Transfer learning for semisupervised collaborative recommendation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):10:1–10:??, August 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PSMO18] **Park:2018:MFU** Souneil Park, Joan Serrà, Enrique Frias Martinez, and Nuria Oliver. MobInsight: a framework using semantic neighborhood features for localized interpretations of urban mobility. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3):23:1–23:??, August 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [PSOC16] **Piana:2016:ABG** Stefano Piana, Alessandra Staglianò, Francesca Odone, and Antonio Camurri. Adaptive body gesture representation for automatic emotion recognition. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1):6:1–6:??, May 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [RAE⁺14] **Rafailidis:2014:CBT** Dimitrios Rafailidis, Apostolos Axenopoulos, Jonas Etzold, Stavroula Manolopoulou, and Petros Daras. Content-based tag propagation and tensor factorization for personalized item recommendation based on social tagging. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(4):26:1–26:??, January 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [RAMZ⁺17] **Ramirez-Amaro:2017:AVG** Karinne Ramirez-Amaro, Humera Noor Minhas, Michael Zehetleitner, Michael Beetz, and Gordon Cheng. Added value of gaze-exploiting semantic representation to allow robots inferring human behaviors. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(1):5:1–5:??, March 2017. CODEN ????? ISSN 2160-

- 6455 (print), 2160-6463 (electronic).
- [RHS19] **Ramachandran:2019:TER** Aditi Ramachandran, Chien-Ming Huang, and Brian Scassellati. Toward effective robot-child tutoring: Internal motivation, behavioral intervention, and learning outcomes. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 9(1):2:1–2:??, February 2019. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3213768&ftid=2040396&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C. [SBN+18]
- [Riv14] **Riveiro:2014:ENM** Maria Riveiro. Evaluation of normal model visualization for anomaly detection in maritime traffic. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(1):5:1–5:??, April 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [SCC14]
- [RK16] **Rosenfeld:2016:PAD** Ariel Rosenfeld and Sarit Kraus. Providing arguments in discussions on the basis of the prediction of human argumentative behavior. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(4):30:1–30:??, December 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic). [SCKOGP15]
- Sidner:2018:CNT** Candace L. Sidner, Timothy Bickmore, Bahador Nooraie, Charles Rich, Lazlo Ring, Mahni Shayganfar, and Laura Vardoulakis. Creating new technologies for companionable agents to support isolated older adults. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(3):17:1–17:??, August 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Steichen:2014:IVT** Ben Steichen, Cristina Conati, and Giuseppe Carenini. Inferring visualization task properties, user performance, and user cognitive abilities from eye gaze data. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(2):11:1–11:??, July 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Sanchez-Cortes:2015:MVM** Dairazalia Sanchez-Cortes, Shiro Kumano, Kazuhiro Otsuka, and Daniel Gatica-Perez. In the mood for vlog: Multimodal inference in conversational social video. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(4):30:1–30:??, August 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

(*TIIS*), 5(2):9:1–9:??, July 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Song:2012:CBH

[SDD12]

Yale Song, David Demirdjian, and Randall Davis. Continuous body and hand gesture recognition for natural human-computer interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(1):5:1–5:??, March 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Self:2018:OLP

[SDW⁺18]

Jessica Zeitz Self, Michelle Dowling, John Wenskovitch, Ian Crandell, Ming Wang, Leanna House, Scotland Leman, and Chris North. Observation-level and parametric interaction for high-dimensional data analysis. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):15:1–15:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Song:2013:PII

[SFTI⁺13]

Wei Song, Andrew Finch, Kumiko Tanaka-Ishii, Keiji Yasuda, and Eiichiro Sumita. picoTrans: an intelligent icon-driven interface for cross-lingual communication. *ACM Transactions on Interactive Intelligent Systems*

(*TIIS*), 3(1):5:1–5:??, April 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Swanson:2012:SAU

[SG12]

Reid Swanson and Andrew S. Gordon. Say anything: Using textual case-based reasoning to enable open-domain interactive storytelling. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(3):16:1–16:??, September 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Scherer:2012:SLN

[SGS⁺12]

Stefan Scherer, Michael Glodek, Friedhelm Schwenker, Nick Campbell, and Günther Palm. Spotting laughter in natural multiparty conversations: a comparison of automatic online and offline approaches using audiovisual data. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(1):4:1–4:??, March 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Salah:2015:BUA

[SHA⁺15a]

Albert Ali Salah, Hayley Hung, Oya Aran, Hatice Gunes, and Matthew Turk. Behavior understanding for arts and entertainment. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5

- (3):12:1–12:??, October 2015. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [SHA⁺15b] **Salah:2015:BIS** [SKKM15] Albert Ali Salah, Hayley Hung, Oya Aran, Hatice Gunes, and Matthew Turk. Brief introduction to the special issue on behavior understanding for arts and entertainment. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(2): 6:1–6:??, July 2015. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [SHY16] **Sutherland:2016:EAE** [SLM⁺13] Steven C. Sutherland, Casper Hartevelde, and Michael E. Young. Effects of the advisor and environment on requesting and complying with automated advice. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(4): 27:1–27:??, December 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [SKG⁺18] **Step toe:2018:VAF** [SLMK18] Michael Steptoe, Robert Krüger, Rolando Garcia, Xing Liang, and Ross Maciejewski. A visual analytics framework for exploring theme park dynamics. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(1):4:1–4:??, March 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Soto:2015:EVA** Axel J. Soto, Ryan Kiros, Vlado Keselj, and Evangelos Milios. Exploratory visual analysis and interactive pattern extraction from semi-structured data. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(3):16:1–16:??, October 2015. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Schreiber:2013:ISI** Daniel Schreiber, Kris Luyten, Max Mühlhäuser, Oliver Brdiczka, and Melanie Hartman. Introduction to the special issue on interaction with smart objects. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(2): 6:1–6:??, July 2013. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Smith:2018:PUC** Jim Smith, Phil Legg, Milos Matovic, and Kristofer Kinsey. Predicting user confidence during visual decision making. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2): 10:1–10:??, July 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

- [SVK16] **Sappelli:2016:AIA** Maya Sappelli, Suzan Verberne, and Wessel Kraaij. Adapting the interactive activation model for context recognition and identification. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(3):22:1–22:??, October 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [TOF16] **Tintarev:2016:ISI** Nava Tintarev, John O’donovan, and Alexander Felfernig. Introduction to the special issue on human interaction with artificial advice givers. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(4):26:1–26:??, December 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [SYS⁺15] **Sartori:2015:AAP** Andreza Sartori, Victoria Yanulevskaya, Almila Akdag Salah, Jasper Uijlings, Elia Bruni, and Nicu Sebe. Affective analysis of professional and amateur abstract paintings using statistical analysis and art theory. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(2):8:1–8:??, July 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [TSN⁺16] **Tanaka:2016:TSC** Hiroki Tanaka, Sakti Sakriani, Graham Neubig, Tomoki Toda, Hideki Negoro, Hidemi Iwasaka, and Satoshi Nakamura. Teaching social communication skills through human-agent interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):18:1–18:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [TDBL13] **Thebault:2013:ESP** Pierrick Thebault, Dominique Decotter, Mathieu Boussard, and Monique Lu. Embodying services into physical places: Toward the design of a mobile environment browser. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(2):8:1–8:??, July 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [TSSL15] **Taranta:2015:EBC** Eugene M. Taranta II, Thaddeus K. Simons, Rahul Sukthankar, and Joseph J. Laviola, Jr. Exploring the benefits of context in 3D gesture recognition for game-based virtual environments. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(1):1:1–1:??, March 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

- [TVCL16] **Taranta:2016:DPB**
Eugene M. Taranta II, Andrés N. Vargas, Spencer P. Compton, and Joseph J. Laviola, Jr. A dynamic pen-based interface for writing and editing complex mathematical expressions with math boxes. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):13:1–13:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [VPB16] **Verbert:2016:AVU**
Katrien Verbert, Denis Parra, and Peter Brusilovsky. Agents vs. users: Visual recommendation of research talks with multiple dimension of relevance. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):11:1–11:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [vdGPOvB⁺13] **vandeGarde-Perik:2013:AIO**
Evelien van de Garde-Perik, Serge Offermans, Koen van Boerdonk, Kars-Michiel Lenssen, and Elise van den Hoven. An analysis of input-output relations in interaction with smart tangible objects. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(2):9:1–9:??, July 2013. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [VSR12] **Vig:2012:TGE**
Jesse Vig, Shilad Sen, and John Riedl. The tag genome: Encoding community knowledge to support novel interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(3):13:1–13:??, September 2012. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [VLP⁺15] **Vezzani:2015:GPS**
Roberto Vezzani, Martino Lombardi, Augusto Pieracci, Paolo Santinelli, and Rita Cucchiara. A general-purpose sensing floor architecture for human-environment interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(2):10:1–10:??, July 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [WBL⁺13] **Wetzler:2013:CPM**
Philipp Wetzler, Steven Bethard, Heather Leary, Kirsten Butcher, Soheil Daneshmandi, Bahreini, Jin Zhao, James H. Martin, and Tamara Sumner. Characterizing and predicting the multifaceted nature of quality in educational Web resources. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(3):15:1–15:??, October 2013.

CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Wang:2016:ART

[WES16]

Weiyi Wang, Valentin Enescu, and Hichem Sahli. Adaptive real-time emotion recognition from body movements. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(4):18:1–18:??, January 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

[WSL⁺18]

Wang:2018:TBM

[WHLZ18]

Yue Wang, Laura R. Humphrey, Zhanrui Liao, and Huanfei Zheng. Trust-based multi-robot symbolic motion planning with a human-in-the-loop. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):31:1–31:??, November 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3213013&ftid=2022736&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

[WZB⁺16]

Wagner:2018:MHR

[WRH18]

Alan R. Wagner, Paul Robynette, and Ayanna Howard. Modeling the human-robot trust phenomenon: a conceptual framework based on risk. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(4):26:1–26:??,

[XZY16]

November 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3152890&ftid=2018444&dwn=1&CFID=24218623&CFTOKEN=eaabba903aec2db0-DD04DB86-FOFE-5B92-EEFF7D27305F336C.

Wang:2018:VRI

Yong Wang, Conglei Shi, Liangyue Li, Hanghang Tong, and Huamin Qu. Visualizing research impact through citation data. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(1):5:1–5:??, March 2018. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Wade:2016:GCA

Joshua Wade, Lian Zhang, Dayi Bian, Jing Fan, Amy Swanson, Amy Weitlauf, Medha Sarkar, Zachary Warren, and Nilanjan Sarkar. A gaze-contingent adaptive virtual reality driving environment for intervention in individuals with autism spectrum disorders. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1):3:1–3:??, May 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Xu:2016:SYS

Tian (Linger) Xu, Hui Zhang, and Chen Yu. See you see

me: The role of eye contact in multimodal human-robot interaction. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(1): 2:1–2:??, May 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Yan:2017:EAR

[YDL+17]

Shuo Yan, Gangyi Ding, Hongsong Li, Ningxiao Sun, Zheng Guan, Yufeng Wu, Longfei Zhang, and Tianyu Huang. Exploring audience response in performing arts with a brain-adaptive digital performance system. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(4):16:1–16:??, December 2017. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Young:2014:DET

[YIS+14]

James E. Young, Takeo Igarashi, Ehud Sharlin, Daisuke Sakamoto, and Jeffrey Allen. Design and evaluation techniques for authoring interactive and stylistic behaviors. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(4): 23:1–23:??, January 2014. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Yordanova:2016:PSD

[YK16]

Kristina Yordanova and Thomas Kirste. A process

for systematic development of symbolic models for activity recognition. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(4):20:1–20:??, January 2016. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Yazdani:2012:ARB

[YLVE12]

Ashkan Yazdani, Jong-Seok Lee, Jean-Marc Vesin, and Touradj Ebrahimi. Affect recognition based on physiological changes during the watching of music videos. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 2(1):7:1–7:??, March 2012. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Yu:2013:ISI

[YN13]

Lixiu Yu and Jeffrey V. Nickerson. An Internet-scale idea generation system. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(1):2:1–2:??, April 2013. CODEN ????? ISSN 2160-6455 (print), 2160-6463 (electronic).

Yang:2016:SUS

[YPL+16]

Yi Yang, Shimei Pan, Jie Lu, Mercan Topkara, and Yangqiu Song. The stability and usability of statistical topic models. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6

- (2):14:1–14:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [YSD15] **Ye:2015:UUS** [ZBGD14] Juan Ye, Graeme Stevenson, and Simon Dobson. USMART: an unsupervised semantic mining activity recognition technique. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 4(4):16:1–16:??, January 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [YT15] **Yang:2015:QSM** [ZCC⁺18] Yi-Hsuan Yang and Yuan-Ching Teng. Quantitative study of music listening behavior in a Smartphone context. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(3):14:1–14:??, October 2015. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- [YYI⁺16] **Yamazaki:2016:ITN** [ZF17] Keiichi Yamazaki, Akiko Yamazaki, Keiko Ikeda, Chen Liu, Mihoko Fukushima, Yoshinori Kobayashi, and Yoshinori Kuno. “I’ll Be There Next”: a multiplex care robot system that conveys service order using gaze gestures. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 5(4):21:1–21:??, January 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Zamborlin:2014:FGI** Bruno Zamborlin, Frederic Bevilacqua, Marco Gillies, and Mark D’inverno. Fluid gesture interaction design: Applications of continuous recognition for the design of modern gestural interfaces. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 3(4):22:1–22:??, January 2014. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Zhang:2018:ERC** Amy X. Zhang, Jilin Chen, Wei Chai, Jinjun Xu, Lichan Hong, and Ed CHI. Evaluation and refinement of clustered search results with the crowd. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 8(2):14:1–14:??, July 2018. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).
- Zanzotto:2017:YLT** Fabio Massimo Zanzotto and Lorenzo Ferrone. Have you lost the thread? Discovering ongoing conversations in scattered dialog blocks. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(2):9:1–9:??, July 2017. CODEN ???? ISSN 2160-

6455 (print), 2160-6463 (electronic).

Zhang:2016:BTE

[ZGZ⁺16]

Cheng Zhang, Anhong Guo, Dingtian Zhang, Yang Li, Caleb Southern, Rosa I. Arriaga, and Gregory D. Abowd. Beyond the touch-screen: an exploration of extending interactions on commodity Smartphones. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 6(2):16:1–16:??, August 2016. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).

Zhang:2017:EEI

[ZLW17]

Ting Zhang, Yu-Ting Li, and Juan P. Wachs. The effect of embodied interaction in visual-spatial navigation. *ACM Transactions on Interactive Intelligent Systems (TIIS)*, 7(1):3:1–3:??, March 2017. CODEN ???? ISSN 2160-6455 (print), 2160-6463 (electronic).