

Enterprise Architecture At Work Modelling Communication And Analysis

Enterprise Architecture At Work Modelling Communication And Analysis Enterprise architecture at work modelling communication and analysis is a vital discipline that enables organizations to align their business strategies with their IT infrastructure, processes, and systems. In today's fast-paced digital landscape, effective communication and comprehensive analysis within enterprise architecture (EA) are essential for fostering innovation, improving operational efficiency, and maintaining competitive advantage. This article explores how enterprise architecture models communication and analysis, highlighting key methodologies, tools, and best practices to optimize organizational performance.

Understanding Enterprise Architecture and Its Role in Communication

What is Enterprise Architecture? Enterprise architecture is a strategic planning framework that provides a holistic view of an organization's structure, processes, information flows, and technology components. It aligns business goals with IT capabilities, ensuring that technological investments support organizational objectives.

The Importance of Communication in EA

Communication within enterprise architecture involves the exchange of information between various stakeholders, including business leaders, IT professionals, and external partners. Effective communication ensures that:

- Business requirements are accurately captured and translated into technical solutions.
- Stakeholders share a common understanding of architecture models and their implications.
- Changes are managed smoothly with minimal disruption.
- Strategic initiatives are supported by clear, well-communicated architectures.

Modelling Communication in Enterprise Architecture

Key Components of EA Communication Models

Modelling communication involves representing how information flows across different parts of the organization. Key components include:

- **Actors/Stakeholders:** Individuals or groups involved in or affected by communication.
- **Channels:** Methods or mediums through which communication occurs (e.g., meetings, reports, dashboards).
- **Messages:** The content or information exchanged.
- **Protocols:** Rules governing communication, including frequency, format, and feedback mechanisms.

Methods for Modelling Communication

Several methodologies help visualize and improve communication within enterprise architecture:

Communication Diagrams

Visual representations that depict interactions¹ between actors, systems, and components, highlighting

information flow and dependencies. Stakeholder Maps: Charts that identify stakeholders, their roles, influence, and communication needs. Process Models (e.g., BPMN): Business Process Model and Notation diagrams that demonstrate how information moves through processes, identifying points of communication and potential bottlenecks. Communication Matrices: Tables that specify who communicates with whom, what information is exchanged, and through which channels. Best Practices for Effective Modelling of Communication - Engage diverse stakeholders during the modelling process to capture all communication needs. - Regularly update models to reflect organizational changes. - Use clear, standardized notation to ensure models are understandable. - Incorporate feedback loops to validate communication pathways. Analysis in Enterprise Architecture The Role of Analysis in EA Analysis within enterprise architecture involves examining models to identify strengths, weaknesses, opportunities, and threats related to organizational structure and technology. It helps decision-makers understand impacts, optimize processes, and plan future initiatives. Types of Analysis in EA Gap Analysis: Identifies discrepancies between current and desired states of architecture components. Impact Analysis: Assesses the consequences of proposed changes on other parts of the architecture. Risk Analysis: Evaluates potential vulnerabilities or failures within systems and processes. Performance Analysis: Measures how well architecture components meet performance targets. Tools and Techniques for EA Analysis - Architectural Frameworks: Such as TOGAF, Zachman, and Federal Enterprise Architecture Frameworks, which provide standardized methods for analysis. - Modelling Tools: Software like ArchiMate, Sparx Systems Enterprise Architect, and BiZZdesign facilitate creating, analyzing, and maintaining architecture models. - Simulations and What-If Scenarios: Allow organizations to test the effects of changes before implementation. - Data Analytics and Visualization: Use dashboards and reports to interpret complex data, identify trends, and support strategic decision-making. Integrating Communication and Analysis in EA Workflows Building a Cohesive EA Practice Integrating communication and analysis involves establishing workflows that: - Capture comprehensive stakeholder input through modelling. - Regularly analyze models to inform strategic decisions. - Communicate findings effectively across the organization. - Use feedback to refine models and processes continuously. Steps for Effective Integration Identify Stakeholders and Communication Needs: Understand who needs what information and at what level of detail. Develop Clear Models: Create visual and textual representations of architecture components and communication pathways. Conduct Regular Analysis: Use tools to evaluate the current state, identify issues, and explore opportunities. Share Insights Transparently: Present analysis results through dashboards, reports, and presentations tailored to different audiences. Implement Feedback Loops: Gather stakeholder input to improve models and

analysis methods continually. Challenges and Solutions in Modelling Communication and Analysis

Common Challenges

- **Complexity of Organizational Structures:** Difficult to model all communication pathways accurately.
- **Stakeholder Engagement:** Resistance or lack of participation can hinder effective modelling.
- **Tool Integration:** Compatibility issues between different modelling and analysis tools.
- **Maintaining Up-to-Date Models:** Rapid organizational changes can render models obsolete quickly.
- **Data Quality:** Poor data hampers accurate analysis and decision-making.

Strategies to Overcome Challenges

- **Simplify models** to focus on critical communication pathways.
- **Foster a culture of open communication and continuous improvement.**
- **Choose integrated tools** that support seamless data sharing.
- **Establish governance processes** for regular model updates.
- **Invest in data quality management practices.**

Future Trends in EA Modelling Communication and Analysis

Emerging Technologies and Approaches

- **Artificial Intelligence and Machine Learning:** Automate the detection of communication inefficiencies and predict impact scenarios.
- **Digital Twins:** Create real-time, dynamic models of enterprise architecture for continuous analysis.
- **Advanced Visualization Techniques:** Use immersive and interactive dashboards for better stakeholder engagement.
- **Blockchain for Secure Communication:** Ensure integrity and traceability in enterprise information exchange.

Impact on Enterprise Architecture Practice

These advancements will make EA models more adaptive, accurate, and accessible, fostering better communication and more insightful analysis. Organizations adopting these technologies will benefit from faster decision-making, enhanced agility, and improved alignment between business and IT.

Conclusion

Enterprise architecture at work modelling communication and analysis is a cornerstone for organizational success in the digital age. By effectively modelling how information flows and analyzing these models for improvements, organizations can foster clearer communication, make informed decisions, and adapt swiftly to changing environments. Embracing best practices, leveraging advanced tools, and staying abreast of emerging trends will ensure that enterprise architecture remains a strategic asset that drives innovation and operational excellence.

Question

Answer 5 What role does enterprise architecture play in modeling organizational communication? Enterprise architecture provides a structured framework to represent and analyze communication flows within an organization, enabling better understanding of information exchange, collaboration points, and communication effectiveness across different business units.

How can enterprise architecture facilitate improved analysis of business processes? By mapping out processes within an architectural model, organizations can identify bottlenecks, redundancies, and opportunities for optimization, leading to more efficient workflows and clearer communication channels.

What are the key components of enterprise architecture when it comes to work modeling? Key components include business architecture (processes, functions), data architecture (information flow), application

architecture (software systems), and technology architecture (infrastructure), all of which collectively support effective communication and analysis. How does work modeling within enterprise architecture support digital transformation efforts? Work modeling visualizes current processes and communication pathways, helping organizations identify areas for automation, integration, and new technology adoption, thereby enabling smoother digital transformation initiatives. What tools or methodologies are commonly used for communication modeling in enterprise architecture? Common tools include ArchiMate, UML, BPMN, and enterprise architecture frameworks like TOGAF, which facilitate visual modeling of communication flows, processes, and system interactions for better analysis and decision-making. Why is analysis of communication and work models important for enterprise architecture success? Analyzing communication and work models helps identify gaps, overlaps, and misalignments in processes and information flow, leading to improved coordination, efficiency, and alignment with strategic goals. Enterprise Architecture at Work: Modelling Communication and Analysis In today's rapidly evolving digital landscape, organizations are continually seeking ways to enhance agility, streamline operations, and foster innovation. At the core of these efforts lies Enterprise Architecture (EA)—a comprehensive framework that aligns business strategies with technology infrastructure. While EA traditionally focuses on designing and governing organizational structures, processes, and systems, a critical dimension often underappreciated is its role in modelling communication and analysis. This facet of enterprise architecture enables organizations to visualize complex interactions, facilitate effective decision-making, and adapt swiftly to change. In this article, we will explore how EA serves as a powerful tool for modelling communication flows within organizations and how it supports comprehensive analysis to optimize operations. We will delve into the theoretical foundations, practical applications, and best practices, providing an expert Enterprise Architecture At Work Modelling Communication And Analysis 6 perspective on leveraging EA for effective communication and insightful analysis. --- Understanding Enterprise Architecture as a Communication Framework Enterprise Architecture is more than just a blueprint of systems and processes; it's a communication backbone that captures how various components of an organization interact. By modeling these interactions, EA enables stakeholders across different domains—business units, IT teams, management—to develop a shared understanding of organizational dynamics. The Role of EA in Modelling Communication At its core, EA facilitates the visualization of communication pathways, including: - Information flows between systems, processes, and people - Decision-making pathways within organizational hierarchies - Collaboration networks among teams and external partners - Workflow sequences involving multiple stakeholders Such models help uncover bottlenecks, redundancies, or gaps in communication, which are

often hidden in traditional organizational charts or process diagrams. Key Benefits of Modelling Communication in EA: - Enhanced Transparency: Clear maps of how information travels improve understanding and trust. - Improved Collaboration: Identifying overlaps and dependencies fosters better coordination. - Change Management Support: Visual models help anticipate impacts of organizational changes. - Risk Mitigation: Recognizing critical communication channels reduces vulnerability. Tools and Techniques for Communication Modelling Several tools and techniques are employed within EA to model communication effectively: - Diagrams and Visualizations: Using UML, BPMN, ArchiMate, or custom diagrams to depict communication pathways. - Stakeholder Maps: Visual representations of who communicates with whom, including roles and responsibilities. - Communication Matrices: Tabular data that delineate types, frequency, and channels of communication. - Sequence Diagrams: Illustrate step-by-step interactions between entities during specific processes. - Network Analysis: Graph theory-based models that identify key nodes and communication hubs. By adopting these tools, organizations can create dynamic models that evolve with the enterprise architecture, providing ongoing insights into communication patterns. --- Modeling Communication in Practice: From Concept to Implementation Implementing communication modelling within EA involves several steps, each critical to ensuring accurate, actionable insights. Enterprise Architecture At Work Modelling Communication And Analysis 7 Step 1: Define Scope and Objectives Determine what aspects of communication are most vital: - Internal communication between departments - Cross-functional workflows - External communication with clients or partners - Critical decision-making pathways Clear objectives help focus modelling efforts and select appropriate tools. Step 2: Identify Stakeholders and Communication Actors List all relevant parties, including: - Business roles (e.g., sales, HR, finance) - IT systems and applications - External entities (vendors, regulators) - Key decision-makers Understanding these actors' interactions is fundamental to building accurate models. Step 3: Collect Data and Map Flows Gather information through: - Interviews and workshops - Existing documentation - System logs and communication records - Observations of workflows Use this data to create visual representations, highlighting: - Communication channels (email, meetings, messaging platforms) - Frequency and volume of interactions - Critical dependencies and handoffs Step 4: Develop and Validate Models Build diagrams and matrices that depict communication pathways. Validate these models with stakeholders to ensure accuracy and completeness. Step 5: Analyze and Optimize Utilize the models to: - Detect bottlenecks or redundant communication - Identify critical nodes whose failure could disrupt operations - Explore alternative communication routes - Prioritize areas for process improvement --- Analysis Capabilities Enabled by EA Modelling Beyond communication mapping, EA provides a robust foundation for analysis, enabling organizations to

make data-driven decisions. Types of Analysis Supported by EA

1. Impact Analysis - Assess how changes in one part of the enterprise affect other components. - Example: Introducing a new CRM system and understanding its ripple effects on sales and marketing processes.
2. Gap Analysis - Identify discrepancies between current and desired states. - Example: Recognizing missing communication channels that hinder collaboration.
3. Performance Analysis - Measure efficiency and Enterprise Architecture At Work Modelling Communication And Analysis effectiveness of workflows. - Example: Analyzing communication delays that impact customer response times.
4. Risk Analysis - Detect vulnerabilities in communication pathways. - Example: Single points of failure in critical information flows.
5. Compliance and Governance Analysis - Ensure communication policies and regulations are upheld. - Example: Verifying data sharing adheres to GDPR.

Tools and Methods for Analysis - Simulation Models: Test how communication flows behave under different scenarios. - Metrics and KPIs: Quantify communication effectiveness (e.g., response times, volume). - Data Analytics: Use logs and records to uncover patterns and anomalies. - Scenario Planning: Explore potential impacts of organizational changes. By integrating these analytical approaches, EA transforms communication models from static diagrams into dynamic decision-support tools.

--- Case Studies: Enterprise Architecture in Action

Case Study 1: Streamlining Cross-Functional Communication A multinational corporation faced challenges with siloed teams causing delays and misaligned efforts. By applying EA modelling:

- They mapped communication flows across departments.
- Identified redundant channels and bottlenecks.
- Implemented centralized collaboration platforms aligned with the models.
- Resulted in improved information sharing, reduced cycle times, and increased agility.

Case Study 2: Risk Mitigation in Supply Chain Communication An electronics manufacturer used EA analysis to identify vulnerabilities in supplier communication networks:

- Mapped interactions between suppliers, logistics, and internal teams.
- Recognized single points of failure and information bottlenecks.
- Developed contingency plans and diversified communication channels.
- Achieved greater resilience and faster response to disruptions.

-- Best Practices for Effective Communication and Analysis Modelling in EA To maximize the benefits of communication modelling and analysis within EA, consider these best practices:

- Engage Stakeholders Early: Ensure buy-in and accurate data collection.
- Maintain Up-to-Date Models: Regularly review and update diagrams to reflect organizational changes.
- Use Consistent Notation: Adopt standard modelling languages (e.g., ArchiMate, BPMN) for clarity.
- Prioritize Critical Pathways: Focus analysis on communication channels vital to operational success.
- Leverage Automation: Utilize tools that integrate with existing data sources for real-time insights.
- Promote Cross-Functional Collaboration: Foster a culture of open communication to enrich models.
- Balance Detail and Abstraction: Provide

enough detail for insights without overwhelming complexity. --- Enterprise Architecture At Work Modelling Communication And Analysis 9 The Future of EA in Communication and Analysis As organizations embrace digital transformation, the role of EA in modelling communication and analysis becomes even more pivotal. Emerging trends include: - Integration with AI and Machine Learning: Automate the detection of communication inefficiencies and predict risks. - Real-Time Monitoring: Use IoT and analytics platforms to visualize live communication flows. - Semantic Modelling: Incorporate contextual data to understand the meaning behind communication patterns. - Enhanced Collaboration Platforms: Embed EA models into daily workflows for continuous improvement. By evolving alongside technological advancements, enterprise architecture will continue to serve as a vital tool for understanding and optimizing organizational communication at every level. --- Conclusion Enterprise Architecture at work, especially in the realms of modelling communication and analysis, offers organizations a strategic advantage. It transforms abstract interactions into tangible, visual representations that inform decision-making, foster collaboration, and mitigate risks. Through meticulous modelling, rigorous analysis, and continuous refinement, EA empowers enterprises to navigate complexity with clarity and agility. As digital ecosystems grow more interconnected, the ability to visualize, analyze, and optimize communication pathways will remain a cornerstone of enterprise success. enterprise architecture, work modeling, communication analysis, business process modeling, system architecture, organizational analysis, information flow, stakeholder engagement, process optimization, technology integration

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Content Analysis in Communication Research
Computational Analysis of Communication
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The Analysis of Communication Content The Analysis of Communication Content Content Analysis in Communication Research Computational Analysis of Communication Content Analysis Communication and Language Analysis in the Corporate World Analyzing Media Messages Communication and Language Analysis in the Corporate World Analyzing Media Messages Introducing Communication Theory Communication Analysis Communication Analysis Through Visual Analytics Media Messages and Public Health Communication and Language Analysis in the Public Sphere Methods and Instruments in the Study of Meaning-Making Performance Analysis of Parallel Applications for HPC Interpersonal Psychotherapy for Depressed Adolescents Discourse and Communication Design and Development of Web Information Systems Cross-Modal Analysis of Speech, Gestures, Gaze and Facial Expressions *Annenberg School of Communications (University of Pennsylvania) Bernard Berelson Wouter van Atteveldt Klaus Krippendorff Roderick P. Hart Daniel Riffe Hart, Roderick P. Daniel Riffe Richard L. West Hans Arndt Maximilian T. Fischer Amy Jordan Roderick P. Hart Sergio Salvatore Jidong Zhai Laura Mufson Teun A. van Dijk Klaus-Dieter Schewe Anna Esposito*

to provide a comprehensive account of the present state of content analysis

provides clear guidance on leveraging computational techniques to answer social science questions in disciplines such as political science sociology psychology and media studies the use of computational analysis is rapidly increasing statistical modeling machine learning and other computational techniques are revolutionizing the way electoral results are predicted social sentiment is measured consumer interest is evaluated and much more computational analysis of communication teaches social science students and practitioners how computational methods can be used in a broad range of applications providing discipline relevant examples clear explanations and practical guidance assuming little or no background in data science or computer linguistics this accessible textbook teaches readers how to use state of the art computational methods to perform data driven analyses of social science issues a cross disciplinary team of authors with expertise in both the social sciences and computer science explains how to gather and clean data manage textual audio visual and network data conduct statistical and quantitative analysis and interpret summarize and visualize the results offered in a unique hybrid format that integrates print ebook and open access online viewing this innovative resource covers the essential skills for social sciences courses on big data data visualization text analysis predictive analytics and others integrates theory methods and tools to provide unified approach to the subject

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history conceptual foundations uses and kinds of inference the logic of content analysis designs unitizing sampling recording data languages constructs for inference analytical techniques the use of computers reliability validity a practical guide

this book provides insight into the verbiage of the corporate world and the influence of this environment for a person s speech pattern language and terminology

analyzing media messages is a primer for learning the technique of systematic quantitative analysis of communication content rich with examples of recent and classic applications it provides solutions to problems encountered in conducting content analysis and it is written so that students can readily understand and apply the techniques this thoroughly revised third edition includes current and engaging examples for today s students in addition to a number of historically important cases it emphasizes communication of visual imagery and studies of advertising content resources on the book s companion website provide additional materials for students and instructors including existing protocols web links and a bibliography of content analysis methods articles this volume is intended for use as a primary text for content analysis coursework or as a supplemental text in research methods courses it is also an indispensable reference for researchers in mass media fields political science and other social and behavioral sciences

while personal variables like age education and gender are often thought to contribute to a person s distinctive speech pattern corporate environments often develop its own way of communication which include larger scale variables like the economy and organizational traditions communication and language analysis in the corporate world provides insight into the verbiage of the corporate world and the influence of this environment for a person s speech pattern language and terminology this book will

provide a guide for language researchers and business leaders alike so that they may find a way to communicate with everyone customers colleagues and ceos effectively

analyzing media messages fourth edition provides a comprehensive guide to conducting content analysis research it establishes a formal definition of quantitative content analysis gives step by step instructions on designing a content analysis study and explores in depth several recurring questions that arise in such areas as measurement sampling reliability data analysis and the use of digital technology in the content analysis process the fourth edition maintains the concise accessible approach of the first three editions while offering updated discussions and examples it examines in greater detail the use of computers to analyze content and how that process varies from human coding of content incorporating more literature about technology and content analysis throughout updated topics include sampling in the digital age computerized content analysis as practiced today and incorporating social media in content analysis each chapter contains useful objectives and chapter summaries to cement core concepts

focuses on the links among theory and everyday experiences this book uses an engaging writing style to present the concept of theory and helps students become insightful critical thinkers

media messages and public health addresses the full range of methodological and conceptual issues involved in content analysis research specifically focused on public health related messages and behaviors uniquely tailored to the challenges faced by content researchers interested in the study of public health topics coverage includes conceptual and methodological foundations involved in the practice of content analysis research used to examine public health issues measurement challenges posed by the broad range of media use of content analysis across multiple media types the potential for individual differences in audience interpretation of message content case studies that examine public health issues in the media to illustration the decisions that are made when developing content analysis studies the volume concludes with a set of guidelines for optimal content analysis research and suggests ways in which the field can accommodate new technologies and new ways of using media developed for researchers in communication media and public health this unique resource demonstrates how the variety of decisions researchers make along the way allows the exploration of traditions assumptions and implications for each varying alternative and ultimately advances the science of content analysis research

this book explores the influence of the world wide on the relationships between ordinary citizens and the ability to communicate with politicians celebrities and the media

this volume develops a theoretical framework for the modelling of meaning making and cultural processes as crucial to the scientific study of contemporary complex societies it focuses on the methodological and empirical aspects of the analysis of culture and its dynamics that could be applied to policymaking and to the understanding of social phenomena it covers culture based segmentation ad hoc survey instruments like the voc and proserv questionnaires discourse flow analysis the homogenization of classification functions measurement and others it also presents a detailed discussion of the methodology of cultural analysis in contexts of health and education the volume showcases a top down approach by including quantitative methods and or automatized or semi automatized procedures and at the same time supports a hermeneutic bottom up abductive approach focused on the situated dynamics of meaning making it provides insights from cultural studies social statistics social policy and research methodology in the social sciences this is a useful resource for academics involved in studying cultural dynamics and for policy oriented researchers and decision makers who are interested in cultural dimensions of the design implementation and reception of public policies

this book presents a hybrid static dynamic approach for efficient performance analysis of parallel applications on hpc systems performance analysis is essential to finding performance bottlenecks and understanding the performance behaviors of parallel applications on hpc systems however current performance analysis techniques usually incur significant overhead our book introduces a series of approaches for lightweight performance analysis we combine static and dynamic analysis to reduce the overhead of performance analysis based on this hybrid static dynamic approach we then propose several innovative techniques for various performance analysis scenarios including communication analysis memory analysis noise analysis computation analysis and scalability analysis through these specific performance analysis techniques we convey to readers the idea of using static analysis to support dynamic analysis to gain the most from the book readers should have a basic grasp of parallel computing computer architecture and compilation techniques

grounded in extensive research and clinical experience this manual provides a complete guide to interpersonal psychotherapy for depressed adolescents ipt a ipt a is an evidence based brief intervention designed to meet the specific developmental needs of teenagers clinicians learn how to

educate adolescents and their families about depression work with associated relationship difficulties and help clients manage their symptoms while developing more effective communication and interpersonal problem solving skills the book includes illustrative clinical vignettes an extended case example and information on the model s conceptual and empirical underpinnings helpful session checklists and sample assessment tools are featured in the appendices

no detailed description available for discourse and communication

this book describes the research of the authors over more than a decade on an end to end methodology for the design and development of information systems wis it covers syntactics semantics and pragmatics of wis introduces sophisticated concepts for conceptual modelling provides integrated foundations for all these concepts and integrates them into the co design method for systematic wis development wis i e data intensive information systems that are realized in a way that arbitrary users can access them via web browsers constitute a prominent class of information systems for which acceptance by its a priori unknown users in varying contexts with respect to the presented content the ease of functionality provided and the attraction of the layout adds novel challenges for modelling design and development this book is structured into four parts part i information systems general aspects gives a general introduction to wis describing the challenges for their development and provides a characterization by six decisive aspects intention usage content functionality context and presentation part ii high level wis design strategic analysis and usage modelling with storyboarding introduces methods for high level design of wis covering strategic aspects and the storyboarding method which is discussed from syntactic semantic and pragmatic perspectives part iii conceptual wis design rigorous modelling of information systems and their layout with interaction types and screenography continues with conceptual design of wis including layout and playout this introduces the decisive web interaction types the screenography method and adaptation aspects the final part iv rationale of the co design methodology and systematic development of information systems describes the co design method for wis development and its application for the systematic engineering of systems the book addresses the research community and at the same time can be used for education of graduate students and as methodological support for professional wis developers for the wis research community it provides methods for wis modelling on all levels of abstraction including theoretical foundations and inference mechanisms as well as a sophisticated end to end methodology for systematic wis engineering from requirements elicitation over conceptual modelling to aspects of implementation layout and playout for students and professional

developers the book can be used as a whole for educational courses on wis design and development as well as for more specific courses on conceptual modelling of wis wis foundations and reasoning co design and wis engineering or wis layout and playout development

this volume brings together the peer reviewed contributions of the participants at the cost 2102 international conference on cross modal analysis of speech gestures gaze and facial expressions held in prague czech republic october 15 18 2008 the conference was sponsored by cost european cooperation in the field of scientific and technical research cost esf org domains actions ict in the main of information and communication technologies ict for disseminating the research advances developed within cost action 2102 cross modal analysis of verbal and nonverbal communication cost2102 cs stir ac uk cost 2102 research networking has contributed to modifying the conventional theoretical approach to the cross modal analysis of verbal and nonverbal communi tion changing the concept of face to face communication with that of body to body communication as well as developing the idea of embodied information information is no longer the result of a difference in perception and is no longer measured in terms of quantity of stimuli since the research developed in cost 2102 has proved that human information processing is a nonlinear process that cannot be seen as the sum of the numerous pieces of information available considering simply the pieces of inf mation available results in a model of the receiver as a mere decoder and produces a huge simplification of the communication process

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