

Article

Change Management: An Empirical Study on Managing Employee Resistance to Organizational Change

Andi Ibbar^{1*}, Steviani Batti²

¹ Sekolah Tinggi Ilmu Manajemen Publik Makassar, Indonesia; e-mail : ibbar.andi@yahoo.co.id

² Universitas Terbuka, Indonesia; e-mail : steviani@ecampus.ut.ac.id

* Corresponding Author : Andi Ibbar

Abstract: Employee resistance remains one of the most significant barriers to successful organisational change implementation. Despite extensive theoretical frameworks, organizations continue to struggle with change initiatives, with failure rates ranging from 60-70%. His study investigates the key factors contributing to employee resistance during organizational change and evaluates the effectiveness of various management strategies in overcoming such resistance. A mixed-methods approach was employed, combining quantitative surveys (n=450) from employees across 15 organizations undergoing major changes and qualitative interviews (n=35) with change management leaders. Data collection occurred over 12 months during active change implementation periods. The study identified five primary resistance factors: fear of job security (78%), lack of communication (65%), insufficient training (58%), past negative experiences (52%), and loss of autonomy (47%). Organizations employing comprehensive communication strategies, participative change approaches, and structured training programs showed 40% higher success rates in change implementation. Effective resistance management requires a multi-faceted approach combining proactive communication, employee participation, skill development, and emotional support. Organizations that address resistance systematically achieve significantly better change outcomes.

Keywords: Change implementation, Change management, Employee resistance, Organizational change, Resistance factors.

Received: April 15, 2025

Revised: May 17, 2025

Accepted: June 23, 2025

Published: June 24, 2025

Curr. Ver.: June 24, 2025



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1. Introduction

Background and Rationale

Organizational change has become a constant reality in today's dynamic business environment. Market volatility, technological disruption, and evolving customer expectations force organizations to continuously adapt their structures, processes, and strategies. However, despite the critical importance of change, research consistently indicates that 60-70% of organizational change initiatives fail to achieve their intended objectives (Kotter, 2012; Higgs & Rowland, 2005).

Employee resistance emerges as the most frequently cited reason for change failure, yet it remains one of the least understood phenomena in organizational behavior. Resistance manifests in various forms, from active opposition and sabotage to passive compliance and withdrawal. The complexity of resistance stems from its multifaceted nature, encompassing psychological, social, and organizational dimensions that interact in ways that are often unpredictable.

In today's rapidly evolving business environment, organizational change has become an inevitable component of strategic adaptation and long-term survival. Globalization, technological advancements, regulatory shifts, and market competition are continuously

reshaping how organizations operate. To remain competitive, organizations must be agile in restructuring systems, redefining roles, and realigning their objectives with emerging demands. However, despite the necessity of change, numerous studies reveal that a substantial proportion of organizational change initiatives—estimated at 60% to 70%—fail to achieve their intended goals.

A critical, yet often underestimated, factor contributing to this high failure rate is employee resistance. Resistance to change is not merely a passive obstacle but a complex, multifaceted reaction that can manifest as skepticism, disengagement, reduced productivity, or even active opposition. While management literature has historically treated resistance as a hindrance to be overcome, contemporary perspectives argue that resistance can also be a source of valuable feedback, signaling misalignment between change strategies and employee needs or expectations.

Understanding the causes, patterns, and effective management of employee resistance is therefore essential to the success of any change initiative. This need becomes more pressing in the context of large-scale transformations, where the psychological, behavioral, and organizational impact of change can be profound. Existing theories offer valuable frameworks for interpreting resistance, yet empirical research that systematically examines resistance across different organizational contexts remains limited.

This study seeks to fill that gap by empirically investigating the primary sources of employee resistance and evaluating the effectiveness of different resistance management strategies. Through a mixed-methods approach involving surveys and interviews across a diverse sample of organizations undergoing change, the research aims to provide evidence-based insights for change leaders, HR practitioners, and organizational strategists. By identifying what works, for whom, and under what circumstances, the study aspires to contribute both theoretically and practically to the field of change management.

2. Literature Review

Theoretical Foundations of Resistance

Classical change management literature has traditionally viewed resistance as an obstacle to overcome. Lewin's (1947) force field analysis conceptualized resistance as opposing forces that must be weakened or eliminated. This perspective dominated early change management approaches, leading to strategies focused on coercion and persuasion.

Contemporary research, however, presents resistance as a more nuanced phenomenon. Piderit (2000) argues that resistance is not merely negative but can provide valuable information about change implementation challenges. Similarly, Ford et al. (2008) suggest that resistance often reflects legitimate concerns about change design and implementation rather than inherent employee opposition to change.

Sources and Types of Resistance

Research has identified multiple sources of employee resistance to change. Individual factors include cognitive limitations, emotional attachment to current practices, and personal cost-benefit calculations (Oreg, 2003). Organizational factors encompass structural inertia, resource constraints, and cultural misalignment (Hannan & Freeman, 1984).

Bovey and Hede (2001) categorized resistance into cognitive, emotional, and behavioral dimensions. Cognitive resistance involves disagreement with change rationale or skepticism about change benefits. Emotional resistance encompasses fear, anxiety, and loss associated with change. Behavioral resistance manifests through reduced performance, absenteeism, or active opposition.

Resistance Management Strategies

Literature suggests various approaches to managing resistance, ranging from education and communication to participation and facilitation (Kotter & Schlesinger, 1979). Communication strategies focus on providing clear, consistent information about change rationale, benefits, and implementation plans (Lewis, 2000). Participation approaches involve employees in change planning and decision-making processes (Coch & French, 1948).

Training and development interventions address skill gaps and competency concerns that often underlie resistance (Armenakis & Harris, 2002). Emotional support strategies acknowledge the psychological impact of change and provide resources to help employees cope with transition-related stress (Bridges, 2004).

Research Gap and Objectives

Despite extensive theoretical work, empirical research on resistance management effectiveness remains fragmented. Most studies focus on single interventions or limited organizational contexts, making it difficult to develop comprehensive, evidence-based resistance management frameworks.

This study addresses these gaps by examining resistance patterns across multiple organizations and evaluating the comparative effectiveness of different management strategies. The research aims to provide practical, evidence-based guidance for change leaders dealing with employee resistance.

Research Questions and Hypotheses

Primary Research Question: What are the most effective strategies for managing employee resistance to organizational change?

Secondary Research Questions:

- 1) What factors most significantly contribute to employee resistance during organizational change?
- 2) How do different resistance management strategies compare in terms of effectiveness?
- 3) What organizational and individual characteristics moderate the relationship between resistance management strategies and change success?

Hypotheses:

1. H1: Organizations employing comprehensive communication strategies will demonstrate lower levels of employee resistance
2. H2: Employee participation in change planning will be negatively correlated with resistance intensity
3. H3: Adequate training and development support will reduce resistance related to competency concerns
4. H4: Organizations addressing emotional aspects of change will achieve higher change implementation success rates

3. Proposed Method

Research Design

This study employed a mixed-methods approach combining quantitative and qualitative research methods. The design enabled comprehensive examination of resistance patterns while capturing the nuanced experiences of employees and change leaders. The research was conducted longitudinally over 12 months to capture resistance dynamics throughout change implementation phases.

Participants and Setting

Quantitative Sample

The quantitative component included 450 employees from 15 organizations across various industries (manufacturing, healthcare, financial services, technology, and retail). Organizations were selected based on three criteria: currently implementing major organizational changes, willingness to participate in research, and diverse industry representation.

Participant demographics:

- Age: 25-35 years (32%), 36-45 years (38%), 46-55 years (22%), >55 years (8%)
- Gender: Female (52%), Male (48%)
- Education: High school (18%), Bachelor's degree (45%), Master's degree (32%), PhD (5%)
- Tenure: <2 years (15%), 2-5 years (28%), 6-10 years (35%), >10 years (22%)
- Position level: Non-supervisory (58%), Supervisory (25%), Middle management (15%), Senior management (2%)

Qualitative Sample

Thirty-five change management leaders participated in in-depth interviews. These included change managers, HR directors, project leaders, and senior executives responsible for change implementation. Participants represented the same 15 organizations included in the quantitative study.

Data Collection Instruments

Employee Resistance Survey

A 65-item survey instrument was developed based on existing resistance measurement scales and validated through pilot testing. The survey measured:

- Resistance Intensity Scale (15 items): Assessed cognitive, emotional, and behavioral resistance levels using 7-point Likert scales
- Resistance Sources Scale (20 items): Identified specific factors contributing to resistance
- Change Experience Scale (15 items): Measured perceptions of change communication, participation opportunities, training adequacy, and support availability
- Outcome Variables (10 items): Assessed change acceptance, implementation success, and job satisfaction
- Demographic Variables (5 items): Captured participant characteristics

Interview Protocol

Semi-structured interviews with change leaders explored:

- Resistance management strategies employed
- Effectiveness of different approaches
- Organizational factors influencing resistance
- Lessons learned and recommendations
- Specific examples of successful and unsuccessful resistance management

Data Collection Procedures

Quantitative Data Collection

Surveys were administered at three time points: baseline (before change implementation), mid-point (3-6 months into implementation), and follow-up (9-12 months into implementation). Online survey platforms ensured anonymity and enabled longitudinal tracking through unique identifiers.

Qualitative Data Collection

Interviews were conducted at mid-point and follow-up stages, allowing change leaders to reflect on their experiences and adapt strategies based on initial results. Interviews lasted 45-90 minutes and were recorded with participant consent.

Data Analysis

Quantitative Analysis

Statistical analyses were performed using SPSS 28.0. Descriptive statistics characterized sample demographics and resistance patterns. Exploratory factor analysis identified underlying resistance dimensions. Multiple regression analyses examined relationships between resistance management strategies and outcomes. Repeated measures ANOVA assessed changes in resistance levels over time.

Qualitative Analysis

Interview transcripts were analyzed using thematic analysis following Braun and Clarke's (2006) approach. Initial coding identified key themes related to resistance management strategies and effectiveness. Pattern coding organized themes into higher-order categories. Cross-case analysis identified common patterns and unique approaches across organizations.

Validity and Reliability

Quantitative Measures

Survey instruments demonstrated strong internal consistency (Cronbach's $\alpha > 0.85$ for all scales). Test-retest reliability was assessed through pilot testing ($r > 0.80$). Construct validity was established through confirmatory factor analysis and convergent validity testing.

Qualitative Measures

Interview data credibility was ensured through member checking, triangulation with survey data, and peer debriefing. Transferability was enhanced through thick description and maximum variation sampling. Dependability was maintained through detailed audit trails and consistent coding procedures.

Ethical Considerations

The study received institutional review board approval. Participants provided informed consent and were assured of confidentiality. Organizations received aggregate results while individual responses remained anonymous. Participants could withdraw at any time without consequences.

4. Results

4.1 Resistance Patterns and Sources

4.1.1 Overall Resistance Levels

Analysis revealed that 68% of employees exhibited moderate to high levels of resistance at baseline measurement. Resistance intensity varied significantly across organizations ($F(14,435) = 12.45, p < 0.001$) and individual characteristics. Employees with longer tenure (>10 years) showed significantly higher resistance levels ($M = 4.8, SD = 1.2$) compared to newer employees ($M = 3.2, SD = 1.1$), $t(448) = 9.34, p < 0.001$.

4.1.2 Primary Resistance Sources

Factor analysis identified five primary resistance dimensions explaining 72% of variance:

Factor 1: Job Security Concerns (78% of participants)

Fear of layoffs or position elimination

Uncertainty about role changes

Concerns about skill obsolescence

Factor 2: Communication Deficiencies (65% of participants)

Lack of clear change rationale

Insufficient information about implementation timeline

Poor feedback mechanisms

Factor 3: Inadequate Training and Support (58% of participants)

Insufficient skill development opportunities

Lack of technical training for new systems

Inadequate emotional support during transition

Factor 4: Past Negative Experiences (52% of participants)

Previous failed change initiatives

Broken promises from leadership

History of poor change management

Factor 5: Loss of Autonomy and Control (47% of participants)

Reduced decision-making authority

Increased oversight and monitoring

Loss of familiar work routines

4.2 Resistance Management Strategy Effectiveness

4.2.1 Communication Strategies

Organizations implementing comprehensive communication strategies showed significantly better outcomes:

High Communication Group ($n=7$ organizations): Average resistance reduction of 42% over 12 months

Moderate Communication Group ($n=5$ organizations): Average resistance reduction of 18% over 12 months

Low Communication Group ($n=3$ organizations): Average resistance reduction of 8% over 12 months

Effective communication strategies included:

Weekly all-hands meetings with Q&A sessions

Multi-channel communication (email, intranet, face-to-face)

Leadership visibility and accessibility

Regular progress updates and milestone celebrations

4.2.2 Participation and Involvement

Employee participation in change planning demonstrated strong negative correlation with resistance intensity ($r = -0.67, p < 0.001$). Organizations with high participation levels achieved:

45% higher change implementation success rates

38% better employee satisfaction scores

52% lower voluntary turnover during change period

Effective participation mechanisms included:

Cross-functional change teams with employee representatives

Regular feedback sessions and suggestion systems

Pilot testing with employee input

Recognition programs for change contributions

4.2.3 Training and Development Interventions

Organizations providing comprehensive training support showed significantly better resistance management outcomes:

Technical skills training reduced competency-related resistance by 61%

Change management training for supervisors improved team adaptation by 34%

Emotional resilience workshops decreased stress-related resistance by 29%

4.3 Longitudinal Resistance Patterns

4.3.1 Resistance Evolution Over Time

Repeated measures ANOVA revealed significant changes in resistance levels over the 12-month study period ($F(2,896) = 89.45, p < 0.001$). Three distinct patterns emerged:

Pattern 1: Steady Decline (40% of participants)

Initial high resistance followed by gradual decrease

Associated with effective communication and support

Correlated with positive change outcomes

Pattern 2: U-Shaped Curve (35% of participants)

Initial resistance, temporary decrease, then increase

Often linked to implementation challenges or broken promises

Associated with moderate change outcomes

Pattern 3: Persistent High Resistance (25% of participants)

Sustained high resistance throughout implementation

Linked to poor communication and lack of support

Associated with change failure or significant delays

4.4 Moderating Factors

4.4.1 Organizational Characteristics

Several organizational factors moderated the relationship between resistance management strategies and outcomes:

Organizational Size: Larger organizations (>1000 employees) required more intensive communication efforts to achieve similar resistance reduction levels compared to smaller organizations.

Industry Type: Healthcare and manufacturing organizations showed higher baseline resistance but responded better to structured training programs compared to technology and financial services sectors.

Change Scope: Organizations implementing comprehensive transformations required longer resistance management timelines but achieved more sustainable outcomes when successful.

4.4.2 Individual Characteristics

Individual differences significantly influenced resistance management effectiveness:

Age: Employees over 45 years required more intensive support but showed greater loyalty once resistance was overcome.

Position Level: Middle managers exhibited unique resistance patterns, often becoming change champions when included in planning but strong resistors when excluded.

Previous Change Experience: Employees with positive previous change experiences were 3.2 times more likely to support new initiatives.

4.5 Success Factors and Best Practices

4.5.1 High-Performing Organizations

Five organizations achieved exceptional resistance management outcomes (>60% resistance reduction, >85% change implementation success). Common characteristics included:

CEO and senior leadership active involvement and visibility

Dedicated change management resources and expertise

Systematic resistance monitoring and adjustment processes

Integration of change management with project management

Long-term commitment to change management best practices

4.5.2 Critical Success Factors

Analysis identified eight critical success factors for effective resistance management:

Early Identification: Proactive resistance assessment and monitoring

Tailored Strategies: Customized approaches based on resistance sources

Leadership Commitment: Visible, consistent support from senior leadership

Resource Allocation: Adequate budget and personnel for resistance management

Communication Excellence: Clear, frequent, multi-channel communication

Employee Involvement: Meaningful participation in change planning and implementation

Skill Development: Comprehensive training and support programs

Emotional Support: Recognition and address of emotional aspects of change

Discussion

4.1 Interpretation of Findings

4.1.1 Validation of Theoretical Frameworks

The study results largely support contemporary change management theory emphasizing the importance of comprehensive, multi-faceted approaches to resistance management. The identification of five primary resistance dimensions aligns with existing literature while providing empirical validation of theoretical constructs.

The strong negative correlation between employee participation and resistance intensity supports social cognitive theory predictions about the importance of perceived control in change situations. Similarly, the effectiveness of communication strategies validates information processing theories of resistance.

4.1.2 Novel Insights

Several findings extend existing knowledge:

Resistance Evolution Patterns: The identification of three distinct resistance evolution patterns provides new insight into the temporal dynamics of resistance. The U-shaped pattern, in particular, highlights the importance of sustained resistance management efforts throughout implementation.

Differential Strategy Effectiveness: While all resistance management strategies showed positive effects, the relative effectiveness varied significantly based on resistance sources and organizational contexts. This suggests the need for more nuanced, targeted approaches rather than one-size-fits-all solutions.

Middle Management Role: The unique position of middle managers as either resistance amplifiers or change champions has received limited attention in previous research. This study highlights their critical role in resistance cascading effects throughout organizations.

4.2 Practical Implications

4.2.1 For Change Management Practitioners

The findings provide several actionable insights for change management practitioners:

Assessment and Monitoring: Regular resistance assessment using validated instruments enables early identification and intervention. Organizations should implement systematic monitoring processes rather than relying on informal feedback.

Strategy Selection: Resistance management strategy selection should be based on primary resistance sources rather than generic best practices. Organizations facing job security concerns require different approaches than those dealing with communication deficiencies.

Resource Planning: Effective resistance management requires significant resource investment, particularly for larger organizations and more comprehensive changes. Budgeting should reflect the intensive nature of successful resistance management.

4.2.2 For Organizational Leaders

Senior leaders play a critical role in resistance management success through:

Visible Commitment: Leadership visibility and consistent messaging significantly impact resistance levels. Leaders must actively demonstrate commitment rather than delegating change communication to others.

Cultural Preparation: Organizations with positive change cultures show better resistance management outcomes. Long-term cultural development investments pay dividends during major change initiatives.

Learning Orientation: Organizations that treat resistance as learning opportunities rather than obstacles achieve better outcomes. This requires fundamental shifts in how leaders perceive and respond to resistance.

4.3 Theoretical Contributions

4.3.1 Resistance Management Model

Based on the findings, this study proposes an integrated resistance management model incorporating:

Assessment Phase: Systematic identification of resistance sources, intensity, and evolution patterns using validated instruments and monitoring processes.

Strategy Development Phase: Selection and customization of resistance management strategies based on assessment results, organizational characteristics, and resource availability.

Implementation Phase: Coordinated deployment of multiple resistance management interventions with regular monitoring and adjustment.

Evaluation Phase: Assessment of resistance management effectiveness and identification of lessons learned for future change initiatives.

4.3.2 Contextual Factors Framework

The study contributes to understanding how organizational and individual characteristics moderate resistance management effectiveness. The proposed framework suggests that strategy selection should consider:

- Organizational size and complexity
- Industry characteristics and change frequency
- Cultural readiness and previous change experiences
- Individual demographics and role characteristics
- Change scope and implementation timeline

4.4 Limitations

4.4.1 Methodological Limitations

Several methodological limitations should be acknowledged:

Sample Representativeness: While the sample included diverse organizations and industries, it may not fully represent all organizational types or cultural contexts. Generalizability to different national or cultural contexts requires further validation.

Self-Report Bias: Survey data relied on self-reported resistance levels and experiences, which may be subject to social desirability bias or recall inaccuracy. Future research could incorporate objective measures of resistance behaviors.

Causality: While the longitudinal design strengthens causal inferences, the observational nature of the study limits definitive causal conclusions. Controlled experiments would provide stronger causal evidence.

4.4.2 Scope Limitations

Change Types: The study focused on major organizational changes but did not differentiate between different change types (technological, structural, cultural). Resistance patterns may vary across change types.

Time Horizon: The 12-month study period may not capture long-term resistance dynamics or sustainability of resistance management interventions.

Success Metrics: Change success was primarily measured through implementation metrics rather than long-term organizational performance outcomes.

4.5 Future Research Directions

4.5.1 Theoretical Development

Future research should focus on:

Dynamic Resistance Models: Development of theoretical models that better capture the temporal and contextual dynamics of resistance evolution.

Cross-Cultural Validation: Testing resistance management frameworks across different cultural and national contexts to establish generalizability.

Integration with Change Theory: Better integration of resistance management theory with broader change management and organizational development frameworks.

4.5.2 Empirical Research

Promising empirical research directions include:

Experimental Studies: Controlled experiments testing specific resistance management interventions to establish stronger causal relationships.

Longitudinal Tracking: Extended longitudinal studies tracking resistance and change outcomes over multiple years to assess sustainability.

Meta-Analytic Reviews: Systematic reviews and meta-analyses of resistance management research to synthesize findings across studies and contexts.

4.5.3 Applied Research

Practical research applications should explore:

Technology-Enabled Resistance Management: Investigation of how digital tools and platforms can enhance resistance assessment and management processes.

Predictive Modeling: Development of predictive models that can anticipate resistance patterns based on organizational and individual characteristics.

Industry-Specific Approaches: Customized resistance management frameworks for specific industries or organizational types.

5. Conclusions

5.1 Summary of Key Findings

This comprehensive study of employee resistance to organizational change provides several important insights for both theory and practice. The research confirmed that resistance remains a significant challenge for organizational change, with 68% of employees exhibiting moderate to high resistance levels. However, the study also demonstrated that systematic, evidence-based approaches to resistance management can significantly improve change outcomes.

Five primary resistance sources were identified: job security concerns, communication deficiencies, inadequate training and support, past negative experiences, and loss of autonomy. These findings provide a foundation for targeted resistance management strategies rather than generic approaches.

The research validated the effectiveness of comprehensive resistance management approaches, with organizations employing multiple coordinated strategies achieving significantly better outcomes. Communication strategies, employee participation, and training interventions all demonstrated positive effects, but their relative effectiveness varied based on organizational context and resistance sources.

5.2 Theoretical Implications

The study contributes to change management theory by providing empirical validation of resistance management frameworks and identifying contextual factors that moderate strategy effectiveness. The proposed integrated resistance management model offers a systematic approach for practitioners while contributing to theoretical understanding of resistance dynamics.

The identification of three distinct resistance evolution patterns advances understanding of temporal aspects of resistance, highlighting the importance of sustained management efforts throughout change implementation. The critical role of middle managers in resistance cascading provides new insights into organizational dynamics during change.

5.3 Practical Applications

For change management practitioners, the study provides evidence-based guidance for resistance assessment, strategy selection, and implementation. The findings emphasize the importance of early identification, tailored approaches, and sustained management efforts.

Organizational leaders can use the findings to better prepare for change initiatives, allocate appropriate resources for resistance management, and develop organizational capabilities for handling future changes. The critical success factors identified provide a roadmap for building change-capable organizations.

5.4 Final Recommendations

Based on the research findings, several recommendations emerge for organizations implementing change:

Invest in Resistance Management: Treat resistance management as a critical capability requiring dedicated resources, expertise, and leadership attention.

Adopt Systematic Approaches: Implement systematic resistance assessment and management processes rather than ad hoc responses to resistance as it emerges.

Customize Strategies: Select resistance management strategies based on specific resistance sources and organizational contexts rather than generic best practices.

Focus on Communication: Prioritize clear, frequent, multi-channel communication as a foundation for all other resistance management efforts.

Engage Employees: Create meaningful opportunities for employee participation in change planning and implementation to reduce resistance and improve outcomes.

Build Long-term Capabilities: Develop organizational change capabilities that can be applied across multiple change initiatives rather than focusing solely on individual projects.

The evidence presented in this study demonstrates that while employee resistance to change remains a significant challenge, it is not an insurmountable obstacle. Organizations that approach resistance management systematically, with adequate resources and evidence-based strategies, can achieve successful change outcomes while maintaining employee engagement and organizational effectiveness.

References

- [1] Armenakis, A. A., and Harris, S. G., "Crafting a change message to create transformational readiness," *J. Organ. Change Manag.*, vol. 15, no. 2, pp. 169–183, 2002.
- [2] Bovey, W. H., and Hede, A., "Resistance to organisational change: The role of defence mechanisms," *J. Manag. Psychol.*, vol. 16, no. 7, pp. 534–548, 2001.
- [3] Braun, V., and Clarke, V., "Using thematic analysis in psychology," *Qual. Res. Psychol.*, vol. 3, no. 2, pp. 77–101, 2006.
- [4] Bridges, W., *Transitions: Making sense of life's changes*. Da Capo Press, 2004.
- [5] Coch, L., and French, J. R. P., "Overcoming resistance to change," *Hum. Relat.*, vol. 1, no. 4, pp. 512–532, 1948.
- [6] Ford, J. D., Ford, L. W., and D'Amelio, A., "Resistance to change: The rest of the story," *Acad. Manag. Rev.*, vol. 33, no. 2, pp. 362–377, 2008.
- [7] Hannan, M. T., and Freeman, J., "Structural inertia and organizational change," *Am. Sociol. Rev.*, vol. 49, no. 2, pp. 149–164, 1984.
- [8] Higgs, M., and Rowland, D., "All changes great and small: Exploring approaches to change and its leadership," *J. Change Manag.*, vol. 5, no. 2, pp. 121–151, 2005.
- [9] Kotter, J. P., and Schlesinger, L. A., "Choosing strategies for change," *Harv. Bus. Rev.*, vol. 57, no. 2, pp. 106–114, 1979.
- [10] Kotter, J. P., *Leading Change*. Harvard Business Review Press, 2012.
- [11] Lewin, K., "Frontiers in group dynamics: Concept, method and reality in social science," *Hum. Relat.*, vol. 1, no. 1, pp. 5–41, 1947.
- [12] Lewis, L. K., "Communicating change: Four cases of quality programs," *J. Bus. Commun.*, vol. 37, no. 2, pp. 128–155, 2000.
- [13] Oreg, S., "Resistance to change: Developing an individual differences measure," *J. Appl. Psychol.*, vol. 88, no. 4, pp. 680–693, 2003.
- [14] Piderit, S. K., "Rethinking resistance and recognizing ambivalence: A multidimensional view of attitudes toward an organizational change," *Acad. Manag. Rev.*, vol. 25, no. 4, pp. 783–794, 2000.