
Kenneth Short; Elizabeth Mezzacappa

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Field Theory, Lewin, non-lethal weapons, vector psychology, topology, social network analysis, motion capture, computational modeling, crowds, Target Behavioral Response Laboratory
LEWINIAN MASH-UPS: TOPOLOGY, NETWORK ANALYSIS, MOTION CAPTURE, AND COMPUTATIONAL MODELING OF CROWDS

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Abstract

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Questions

• How can you characterize the nature of a crowd?
• What does a crowd do?
• How can you measure crowd behavior?
• How can you describe how a motivated crowd behaves?
• Can you capture changes in crowd motivation from their behavior?
• How do you compare the effectiveness of different crowd interventions?

Answers! (and potential answers)

1. Experimentation on human crowds can be conducted
2. Meaningful measures of crowd behavior can be obtained and analyzed
3. Manipulation of motivations can produce predictable results on crowd behaviors that help to model behaviors of larger crowds
4. Human studies of Non-Lethal Weapons interventions on crowds can illuminate our community and national choices

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