Success Factors for Team Science

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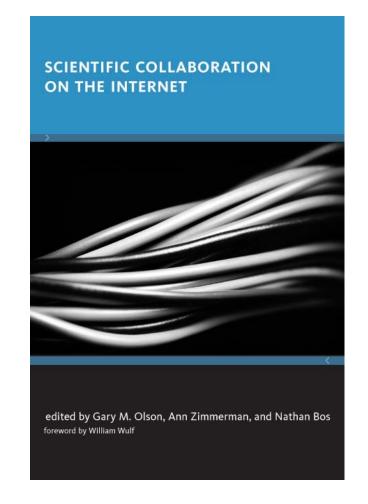
Distance Matters

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ABSTRACT

Giant strides in information technology at the turn of the century may have unleashed unreachable goals. With the invention of groupware, people expect to communicate easily with each other and accomplish difficult work even though they are remotely located or rarely overlap in time. Major corporations though they are remotely located or rarely overlap in time. Major corporations possible. Federal research money encourages global science through the establishment of "collaboratories." We review over 10 years of field and laboratories investigations of collocated and noncollocated synchronous group collaborations. In particular, we compare collocated work with remote work ast its possible today and comment on the promise of remote work tomorrow. We focus on ble today and comment on the promise of remote work tomorrow. We focus on the sociotechnical conditions required for effective distance work and bring tools, gether the results with four key concepts; common ground, compling of work, gether the results with four key concepts; common ground, conjung of work, ollaboration or adiness, and collaboration technology readiness. Groups with control of the collaboration of collaboration technology, have a chance as succeeding with remote work. Deviations from each of these create strain on the relationships among work. Deviations from each of these create strain on the relationships among conditions and collaboration the work or processes of collaboration to succeed because distance still matters.

Gary Olson is a psychologist interested in computer supported cooperative work; he is Professor in both the School of Information and the Department of Psychology. Judy Olson is a psychologist interested in computer supported collaborative work; she is Professor in the School of Business Administration, the School of Information, and the Department of Psychology.



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Factors → Success (TORSC)

- The Nature of the Work
- Common Ground
- Collaboration Readiness
- Technology Readiness
- Management, Planning and Decision Making





Collaboration Success Wizard

- The theory as a set of questions
 - Multiple versions: past, current, planned
- Report at the end
 - Red flags
 - What to do about them
- In the midst of user testing & revising
- Trial administration with UCI medical school
 - Another trial pending with U of Pittsburgh project
- Will go "public" soon a web site that describes it, gives application procedure
 - Inquiries: gary.olson@uci.edu





New Thrust

- Intercultural collaboration
 - Have seen culture as a factor many times
 - Have already written a few articles on it
 - Now want to move it into the foreground
- Culture has many meanings
 - National
 - Organizational
 - Professional
- Initial focus on Pacific Rim
 - Variety of interesting cultural differences
 - Added stress of time zone differences
 - Will allow us to focus on asynchronous tools



