



Online Ethics Center  
FOR ENGINEERING AND SCIENCE

# Sharing Ideas

## Author(s)

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## Description

A scenario that covers ethical issues that arise when one author doesn't want to cooperate with a person who shared her ideas.

## Body

Alice, a graduate student working on cryptography, attends a research conference talk by Bob, a former graduate student in her own department who is now a prominent researcher. By the end of the talk, Alice realizes that Bob's scheme is vulnerable to a cryptographic attack she has been developing for her dissertation. During the question/answer session, she raises her concerns. Bob admits that he had not considered an attack like the one Alice described.

Back home, Alice thinks further about Bob's scheme and comes up with a modification which repairs its weakness. She writes a short technical note describing her results.

Alice has observed that in her field, attacks on proposed cryptography schemes are frequently cleverer and more interesting than the attacked schemes themselves. Such attacks are often considered publishable results. So she sends her technical note to Bob with a cover letter proposing that either

1. Alice and Bob coauthor a journal paper based on his conference paper along with her attack and fix, or,

2. Alice proceeds alone to submit her technical note to the next conference.

Bob replies that he had already found a fix to his scheme similar to Alice's, and also had written a follow-up note of his own for the next conference. He does not think he should include Alice's name as a coauthor of his paper, since he has essentially done all the work. He offers no other suggestions for cooperation.

What, if anything, can and should Alice do?

## Notes

Adapted from a scenario submitted by Rosario Gennaro, MIT.

Caroline Whitbeck introduced methods and modules for discussing numerous issues in responsible conduct of research at a Sigma Xi Forum in 2000. Partial funding for the development of this material came from an NIH grant.

You can find the entire sequence on the OEC at [Scenarios for Ethics Modules in the Responsible Conduct of Research](#). Some information in these historical modules may be out-of-date; for instance, there may be a new edition of the professional society's code that is referred to in an item. If you have suggestions for updates, please contact the OEC.

## Contributor(s)

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## Resource Type

Case Study / Scenario

## Parent Collection

Scenarios for Ethics Modules in the Responsible Conduct of Research

## Topics

Collaboration

Research and Practice

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**Discipline(s)**

Research Ethics  
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