



GIREP-EPEC

Transforming physics learning via Research & Practice
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Effectiveness of Peer Mentoring for Helping College Physics Faculty Members Improve Their Teaching in Japan

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A peer mentoring system for helping college physics faculty members improve their teaching towards active-learning styles was implemented in Japan. Peer mentoring provides faculty members with opportunities to observe different ways of teaching physics and to receive advises from their peers. The results indicate that the peer mentoring system raises their motivation towards improving their teaching. Furthermore, the results indicate that teaching effectiveness towards active learning seems to be dependent on topics. The topic-dependence of teaching is further discussed in the presentation.

Education level

Pre-service and in-service teacher education

Physics topic

Full curriculum

Research focus

Active learning

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Research focus

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