

FIZIKA. IZGLĪTĪBA. PRAKSE.
Augstskolu fizikas izglītības
praktiķu seminārs.
PHYSICS.EDUCATION.
PRACTICE. Seminar for
Practitioners in Physics
Education at Universities.



82. Latvijas Universitātes
starptautiskā zinātniskā
konference 2024

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opportunities and challenges of introducing high-school students to modern physics: lessons learned from particle physics

Wednesday, 31 January 2024 10:05 (30 minutes)

Iespējas un izaicinājumi, iepazīstinot vidusskolēnus ar moderno fiziku: daļiņu fizikā gūtās atziņas

Primary author: WIENER, Jeff (CERN, Switzerland)

Presenter: WIENER, Jeff (CERN, Switzerland)

Session Classification: PHYSICS. EDUCATION. PRACTICE. Seminar for University Physics Education Practitioners

Track Classification: PHYSICS. EDUCATION. PRACTICE. Seminar for University Physics Education Practitioners

Contribution ID: 2

Type: **not specified**

Interdisciplinary work around maths and physics in the secondary and tertiary crossover point

Wednesday, 31 January 2024 11:05 (40 minutes)

Starpdisciplinārs darbs: matemātika un fizika vidusskolā un augstskolā – krustošanas punkts

Primary author: VERDON, Matthew (Australian Science and Mathematics School, Australia)

Presenter: VERDON, Matthew (Australian Science and Mathematics School, Australia)

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Contribution ID: 3

Type: **not specified**

Cultivating Expert Learners, Not Just Expert Knowers

Wednesday, 31 January 2024 10:35 (30 minutes)

Kā veicināt ekspertu prasmi mācīties?

Primary author: QUINTY, Emily (The University of Colorado Boulder, United States)

Presenter: QUINTY, Emily (The University of Colorado Boulder, United States)

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Contribution ID: 4

Type: **not specified**

On the singularities of point dipoles

Wednesday, 31 January 2024 12:00 (30 minutes)

Par punktveida dipolu singularitātēm

Primary author: PRIEDE, Jānis (University of Latvia, Latvia)

Co-author: LĀCIS, Sandris (University of Latvia, Latvia)

Presenter: PRIEDE, Jānis (University of Latvia, Latvia)

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Contribution ID: 5

Type: **not specified**

High School Advanced Course Physics II at University - first year experience and conclusions

Wednesday, 31 January 2024 12:30 (20 minutes)

Vidusskolas padziļinātais kurss Fizika II universitātē – pirmā gada pieredze un secinājumi

Primary author: BLŪMS, Juris (Riga Technical University, Latvia)

Presenter: BLŪMS, Juris (Riga Technical University, Latvia)

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Contribution ID: 6

Type: **not specified**

Tinkercad as an assistant for learning the essentials of Physics

Wednesday, 31 January 2024 12:50 (15 minutes)

Tinkercad kā palīgs fizikas pamatprincipu apgūšanai

Primary author: LAUVA, Didzis (Riga Stradins University, Latvia)

Co-author: PROSKURINS, Jevgenijs (Riga Stradins University, Latvia)

Presenter: LAUVA, Didzis (Riga Stradins University, Latvia)

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Contribution ID: 7

Type: **not specified**

Exploring purposes in undergraduate level physics lab

Wednesday, 31 January 2024 13:05 (15 minutes)

Bakalaura līmeņa fizikas laboratorijas darbu mērķu izpēte

Primary author: KOSMAČA, Jeļena (University of Latvia, Latvia)

Co-authors: CINĪTE, Ilva (University of Latvia, Latvia); BARINOVŠ, Ģirts (University of Latvia, Latvia)

Presenter: KOSMAČA, Jeļena (University of Latvia, Latvia)

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Contribution ID: 8

Type: **not specified**

Teaching Physics with Educational Technology

Wednesday, 31 January 2024 13:20 (40 minutes)

Fizikas mācīšana ar izglītības tehnoloģiju palīdzību

Primary author: SIIMAN, Leo A. (University of Tartu, Estonia)

Presenter: SIIMAN, Leo A. (University of Tartu, Estonia)

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