

Christian Ucke - English publications

2020 Ucke, Christian, Schlichting, Hans Joachim

Spinn Top Carousel

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2017 Ucke, Christian, Schlichting, Hans Joachim

Galileo Chain Thermometer

[download Galileo-Chain-Thermometer.pdf](#)

2013 Ucke, Christian, Schlichting, Hans Joachim

Paradoxical Shadows

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2011 Ucke, Christian

The Weather Glass

European Physical Society/Physics Education Division (2011)

[download weatherglass.pdf](#)

2010 Ucke, Christian; Schlichting, Hans Joachim

Fun with household objects and centre of mass

[download Household_objects_and_centre_of_mass.pdf](#); 260kB)

and **Mathematical reflections on the drinking bowl 'Balance'**

[download balance.pdf](#); 605kB)

2009 Ucke, Christian; Schlichting, Hans Joachim

Revival of the jumping disc

Physics Education **44** (2009), 612-617

[download jumping_disc.pdf](#)

2009 Ucke, Christian; Schlichting, Hans Joachim

The Magnetic Cannon

[download The Magnetic_Cannon.pdf](#)

2008 Ucke, Christian; Schlichting, Hans Joachim

Oscillating Dolls and Skyscrapers

[download TMD_english.pdf](#)

2005 Ucke, Christian

Suspension bridge with paper clips

Talk at the 3rd international GIREP Seminar, 5 – 9 Sept. 2005 in Ljubljana, Slovenia

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2005 Ucke, Christian

Hands-on physics with paper clips

[download physics_with_clips1.pdf](#)

2004 Ucke, Christian; Schlichting, Hans Joachim

A fast, high-tech, low cost electric motor construction

[download Unipolarmotor_English.pdf](#)

2003 Ucke, Christian

Physics, Toys and Art

Invited general talk at the second International GIREP seminar in Udine/Italy, Sept. 1th, .2003,

[download udine2003.pdf](#)

additional paper for this talk: Wobblers: [download Wobb3e 2003.pdf](#)

2003 Ucke, Christian

Acoustical Wheel With Christmas Tree Balls

Newsletter of the Ontario Association of Physics Teachers Vol. **XXII**, No. 3, Winter 2003, page 2-3

[download OAPT 2003.pdf](#)

2002 Ucke, Christian

Professor Sakai's Paper-Clip Tops

Physics Education (India) **19** No. 2, July-September 2002, 97-100

[download sakai india.pdf](#)

2001 Ucke, Christian

Jumping toys: A topic for interplay between theory and experiment

Invited general talk on the 1. GIREP seminar in Udine/Italy, Sept. 4th, 2001,

[download udine2001.pdf](#)

1999 Ucke, Christian

Anamorphic Images - A Combination of Art, Physics and Mathematics

International Newsletter of Physics Education (ICPE/IUPAP) No. **38** (1999), page 9

[download ICPE38.pdf](#)

1999 Ucke, Christian

Connecting past and future

Invited plenary lecture at the International ICPE/GIREP-conference 'Turning the Challenge into Opportunities'

August 19-23, 1999 in Guilin/China, Guangxi Normal University

[download proceedguil.pdf](#) ; published in the conference proceedings, Guilin 2000, page 37-43

the original, long version of this plenary lecture with color pictures [download origprocguilin.pdf](#)

1998 Ucke, Christian

3-D Vision with ChromaDepth Glasses

published in the proceedings of the ICPE/GIREP-conference 'Hands-On Experiments in Physics Education'

August 23 - 28, 1998 in Duisburg/Germany, University of Duisburg 1999, page 371-374

[download chromadepth_english.pdf](#)

1998 Ucke, Christian; Schlichting, Hans Joachim

Why does champagne bubble?

Physics & Technology Quest, Vol. 2, No. 1, December 1997, 105-108

[download champagn.pdf](#)

1997 Ucke, Christian:

Playing with caustic phenomena

lecture in Ljubljana, August 1996, published in: **Oblak, S. et al.**(Ed): Proceedings of the conference 'New Ways of Teaching Physics', Ljubljana 1997, page 440-444

[download ljub96.pdf](#)

1996 Ucke, Christian:

Science and Toys

in: Michellini, M. (Ed.): Teaching the Science of condensed Matter and new Materials,

FORUM, Editrice Universitaria Udinese, 1996, page 437-441

[download udine95.pdf](#)

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1995 Ucke, Christian; Schlichting, Hans Joachim

The Love Meter

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1995 Schlichting, Hans Joachim; Ucke, Christian

THE "META-PENDULUM" OR : A SELF'-PROPELLED SWING

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