

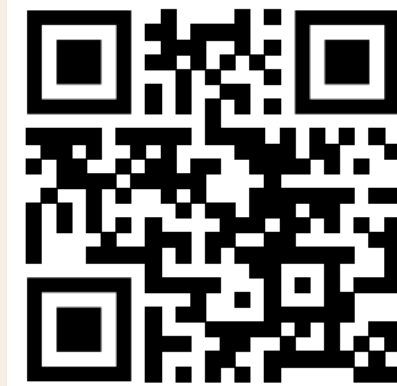


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# Science Communication in Practice with

Dr. Jens Boos

KIT Institute for Theoretical Physics  
Black Hole Phenomenology Group



## Jens Boos: What's Inside a Black Hole?



**Source:** <https://www.youtube.com/watch?v=7FAHKeJ5zEk>

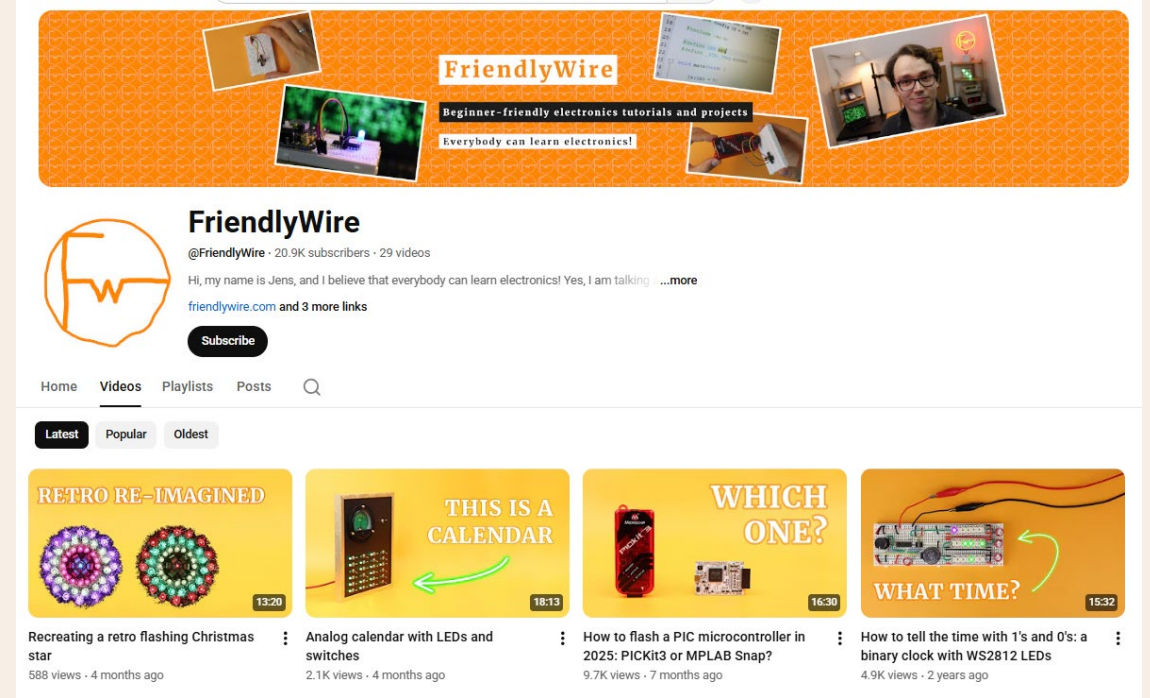
## Jens' 3 Minute Thesis Talk

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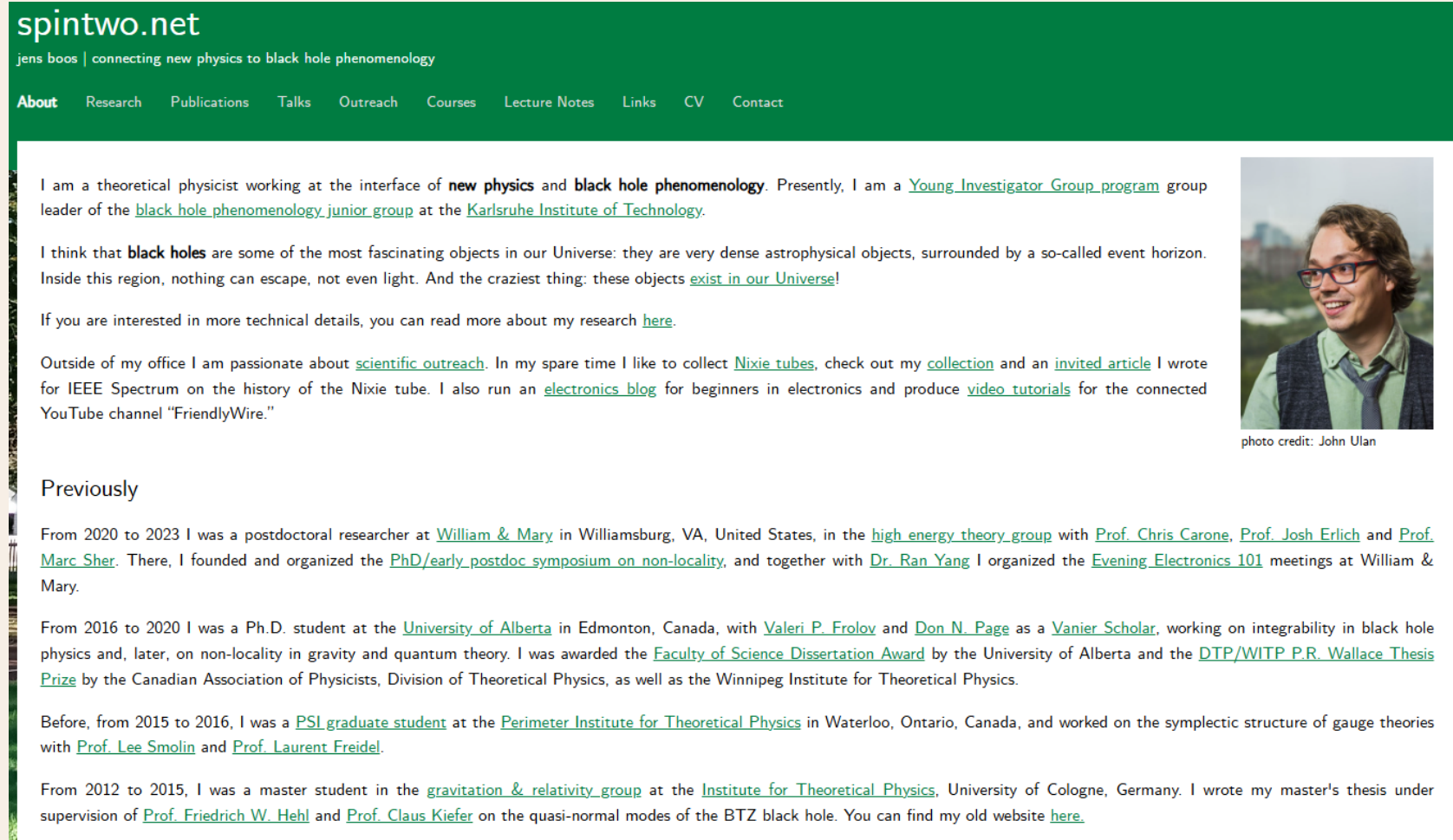
**Source:** <https://www.youtube.com/watch?v=VOiJ7SXKQQ4>

# Jens' YouTube Channel Friendly Wire



Source: <https://www.youtube.com/@FriendlyWire>

# Jens' Personal Website



**spintwo.net**  
jens boos | connecting new physics to black hole phenomenology

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I am a theoretical physicist working at the interface of **new physics** and **black hole phenomenology**. Presently, I am a [Young Investigator Group program](#) group leader of the [black hole phenomenology junior group](#) at the [Karlsruhe Institute of Technology](#).

I think that **black holes** are some of the most fascinating objects in our Universe: they are very dense astrophysical objects, surrounded by a so-called event horizon. Inside this region, nothing can escape, not even light. And the craziest thing: these objects [exist in our Universe!](#)

If you are interested in more technical details, you can read more about my research [here](#).

Outside of my office I am passionate about [scientific outreach](#). In my spare time I like to collect [Nixie tubes](#), check out my [collection](#) and an [invited article](#) I wrote for IEEE Spectrum on the history of the Nixie tube. I also run an [electronics blog](#) for beginners in electronics and produce [video tutorials](#) for the connected YouTube channel "FriendlyWire."




photo credit: John Ulan

## Previously

From 2020 to 2023 I was a postdoctoral researcher at [William & Mary](#) in Williamsburg, VA, United States, in the [high energy theory group](#) with [Prof. Chris Carone](#), [Prof. Josh Erlich](#) and [Prof. Marc Sher](#). There, I founded and organized the [PhD/early postdoc symposium on non-locality](#), and together with [Dr. Ran Yang](#) I organized the [Evening Electronics 101](#) meetings at William & Mary.

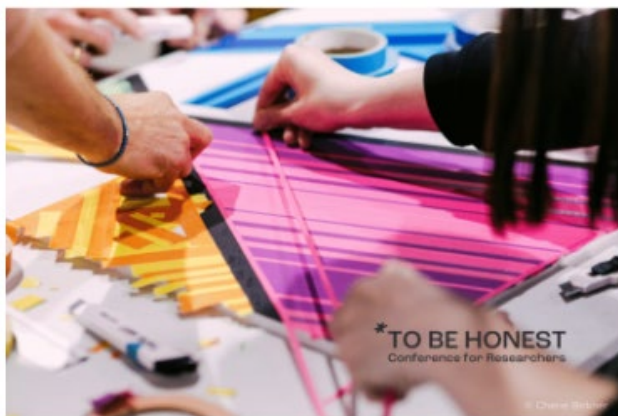
From 2016 to 2020 I was a Ph.D. student at the [University of Alberta](#) in Edmonton, Canada, with [Valeri P. Frolov](#) and [Don N. Page](#) as a [Vanier Scholar](#), working on integrability in black hole physics and, later, on non-locality in gravity and quantum theory. I was awarded the [Faculty of Science Dissertation Award](#) by the University of Alberta and the [DTP/WITP P.R. Wallace Thesis Prize](#) by the Canadian Association of Physicists, Division of Theoretical Physics, as well as the Winnipeg Institute for Theoretical Physics.

Before, from 2015 to 2016, I was a [PSI graduate student](#) at the [Perimeter Institute for Theoretical Physics](#) in Waterloo, Ontario, Canada, and worked on the symplectic structure of gauge theories with [Prof. Lee Smolin](#) and [Prof. Laurent Freidel](#).

From 2012 to 2015, I was a master student in the [gravitation & relativity group](#) at the [Institute for Theoretical Physics](#), University of Cologne, Germany. I wrote my master's thesis under supervision of [Prof. Friedrich W. Hehl](#) and [Prof. Claus Kiefer](#) on the quasi-normal modes of the BTZ black hole. You can find my old website [here](#).

# GSO Resources

Career  
Resources



## Ten Practical Tips for Using LinkedIn as a Researcher

Many researchers approach LinkedIn with hesitation. It can feel unclear how using LinkedIn as a researcher works without slipping into unwanted self-promotion.

## Authentic Visibility for Researchers

\*TO BE HONEST  
Career Real Talk for Researchers

### Authentic Visibility for Researchers

Learn how clarity, consistency, and confidence can help early-career scientists share their work. Small steps and authentic messaging open doors for recognition.

Newsletter



# Join us for the next Bits & Bites Workshops

<p><b>17.02.2026</b> 1:15 – 2 pm</p> <p><b>Bits &amp; Bites 2: How to LinkedIn for Researchers</b></p> <p><b>Get visible without turning into an influencer</b></p> <p>You'll learn the essentials of a strong LinkedIn profile, simple ways to increase visibility, and how to get started with your first posts. The focus is on realistic, low-effort strategies that fit into busy research schedules.</p>	<p><b>31.03.2026</b> 1:15 – 2 pm</p> <p><b>Bits &amp; Bites 3: How to Tell the Story of your Research</b></p> <p><b>Less jargon, more clarity for a broader audience</b></p> <p>This session helps you distil complex research into three clear messages and structure them as a compelling story. You'll work on a short draft that explains what you do, why it matters, and for whom.</p>	<p><b>28.04.2026</b> 1:15 – 2 pm</p> <p><b>Bits &amp; Bites 4: Science Communication in Practice</b></p> <p><b>How do other researchers actually do it?</b></p> <p>We look at real-life science communication paths, practical tips, and how to balance communication activities with research responsibilities. This session offers ideas and inspiration to create your own SciComm pathway.</p>	<p><b>19.05.2026</b> 1:15 – 2 pm</p> <p><b>Bits &amp; Bites 5: How to (Elevator) Pitch Your Research</b></p> <p><b>Explain your work clearly, in under a minute</b></p> <p>You'll learn how to structure a concise, memorable elevator pitch using a simple framework and adapt it to different situations, from networking events to informal conversations with non-experts.</p>	<p><b>16.06.2026</b> 1:15 – 2 pm</p> <p><b>Bits &amp; Bites 6: Open Science Communication Lab</b></p> <p><b>Bring your own project and get feedback</b></p> <p>This session is an open format where you bring your own science communication ideas, drafts, or questions. You'll receive focused input, practical suggestions, and peer feedback in a supportive setting.</p>	<p><b>14.07.2026</b> 1:15 – 2 pm</p> <p><b>Bits &amp; Bites 7: Careers in Science Communication</b></p> <p><b>What's out there beyond doing research?</b></p> <p>We introduce career options such as popular science, journalism, science illustration, and citizen science. We discuss required skills, entry points, and support for science communicators in Germany.</p>
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If you attend 5 or more sessions, you receive a certificate of participation