

For this issue, we will have **Stanislav Glubokovskikh** as the member spotlight. He is the recipient of the **ASEG Early Achievement Award 2021**. Congratulations to him!

1. For how long have you been a geophysicist?

I guess that I started my career when I entered an undergraduate program in geophysical engineering in 2003. So it has been 18 years already.

2. What do you like most about being a geophysicist?

Exploration geophysics is a complex profession, where one can focus on such diverse aspects as computations, instrumentation design, geological models, and data acquisition. And our results are tangible.

3. What's one thing that we wouldn't know about you?

I love western movies. I am happy to see that this genre has become popular again, with a few slow-burning dramas as well as intense spaghetti shooters.



Stas is at a VSP survey at the campus of Curtin University

4. Where was your best sunrise/sunset location?

I was enjoying endless daylight for 40 days straight during a marine seismic survey on the White Sea at 68°N. But the most beautiful sunsets I saw in the Australian South-West.

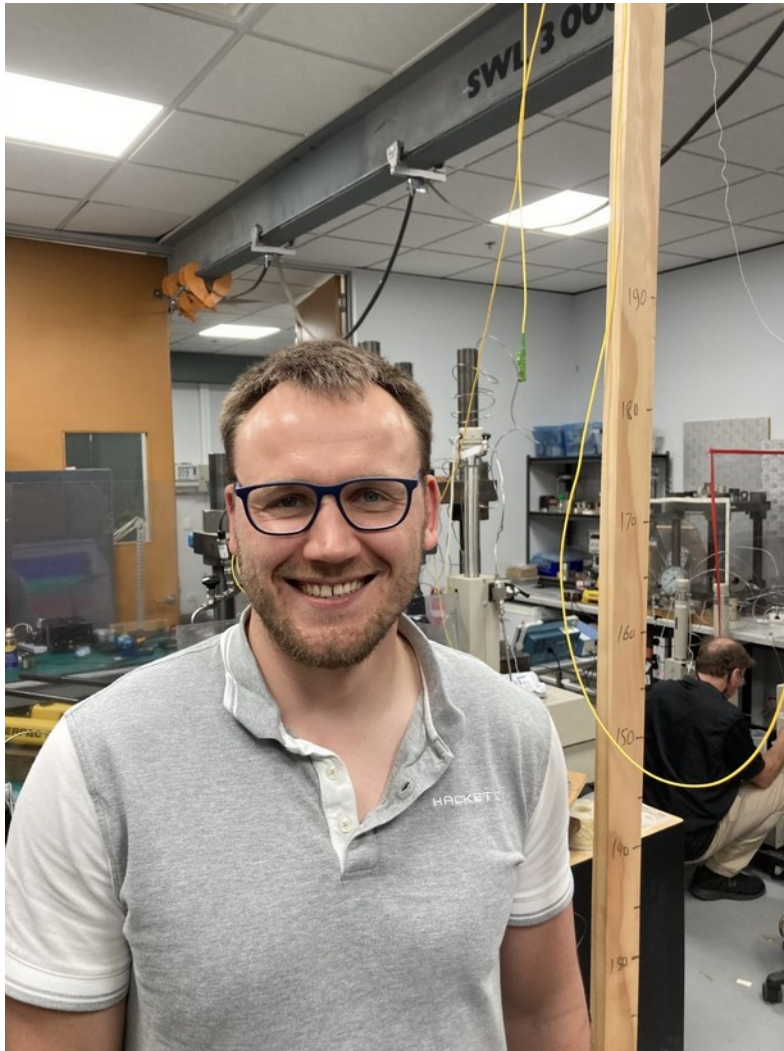
5. What are you reading at the moment?

Smooth parenting: the book for the parents of the kids from 3 to 5 years old

6. What's your most treasured textbook?

I really learnt a lot from the two volumes of 'Fundamentals of Statistical Signal

Processing' by Steven Kay. These books develop excellent intuition about what is possible and what is not with a particular data set.



Stas is in Curtin Rock Physics Laboratory

7. What do you do in your spare time?

I get outdoors: hiking with the family or riding my gravel bike. San Francisco Bay Area provides excellent opportunity to get outdoors and I am trying to use it full.

8. What is a challenge that you see in geoscience today, and how do you see the community overcoming it?

In my opinion, the value of geophysics in subsurface exploration has been

gradually decreasing over the last decade. Site operators rely heavily on reservoir engineers and hydrogeologists. Geophysicists should introduce more rigorous approaches to data analyses and communication of their results, to regain the trust in our techniques.

9. When you are asked what you do – what do you do?

I reply that I measure some things on the Earth surface and tell clients what is happening deep underneath it.

10. What aspect of geophysics do you enjoy most?

In my opinion, the essence of exploration geophysics is smart data acquisition and analysis. Being a theoretical geophysicist, I might have spent too much time working with synthetic models. Right now, I really enjoy deciphering challenging field data.

11. Do you think AI will take over your job or will the human element remain vital to exploration successes?

Absolutely not, my experience with machine learning algorithms suggests otherwise. The data is never 'big' in exploration geoscience: just a few boreholes, only several core samples. In the world of 'small' data, AI applicability is limited to relatively banal tasks.