



1
00:00:00,396 --> 00:00:02,036
I was born in a small city,

2
00:00:02,086 --> 00:00:05,026
which is about four
hours southwest

3
00:00:05,416 --> 00:00:07,426
of the Sao Paulo
city, the capital.

4
00:00:08,036 --> 00:00:11,856
And I grew up in a factory
environment, so I was exposed

5
00:00:11,956 --> 00:00:13,496
to all different instruments.

6
00:00:14,046 --> 00:00:17,796
That actually led
me to a feeling

7
00:00:17,876 --> 00:00:21,976
for chemistry and
for fixing stuff.

8
00:00:22,116 --> 00:00:30,336
This instrument was built
to analyze the gas inside

9
00:00:30,336 --> 00:00:33,146
of the Glenn Extreme
Environment Rig.

10
00:00:33,776 --> 00:00:36,016
We use these instruments
specifically

11
00:00:36,316 --> 00:00:41,476

to track the chemistry of gasses

12

00:00:41,596 --> 00:00:44,816

that are simulated inside
of the Venus chamber.

13

00:00:45,206 --> 00:00:47,336

So there is a change
in the chemistry

14

00:00:47,576 --> 00:00:49,976

of the Venus mixture
-- gas mixture.

15

00:00:50,636 --> 00:00:54,686

So basically, we sample the gas
inside of this Venus chamber

16

00:00:55,306 --> 00:00:58,006

and then we bring
to this instrument

17

00:00:58,176 --> 00:01:02,406

to track those changes in the
chemistry of the gas mixture.

18

00:01:03,046 --> 00:01:07,156

So by doing that, we can
actually keep the system,

19

00:01:07,316 --> 00:01:11,666

the Venus mixture, constant by
pumping more of those chemicals

20

00:01:12,096 --> 00:01:14,896

or those gasses that
are reacting.

21

00:01:15,076 --> 00:01:16,286

It is amazing.

22

00:01:16,656 --> 00:01:20,946

I am very excited about
this work that I am doing