

The People Behind SWOT: **CHRISTINE GEBARA**



Jet Propulsion Laboratory
California Institute of Technology



1
00:00:03,110 --> 00:00:01,309

[Music]

2
00:00:05,390 --> 00:00:03,120

coming to work every day it's always

3
00:00:07,070 --> 00:00:05,400

really nice to know that the system that

4
00:00:09,530 --> 00:00:07,080

we're building will collect science data

5
00:00:12,049 --> 00:00:09,540

that will be spread publicly that the

6
00:00:13,730 --> 00:00:12,059

data will help people hi my name is

7
00:00:16,069 --> 00:00:13,740

Christine Jabara and I'm an integration

8
00:00:29,230 --> 00:00:16,079

test engineer at JPL

9
00:00:31,730 --> 00:00:29,240

[Music]

10
00:00:33,049 --> 00:00:31,740

SWAT is an Earth orbiting satellite it

11
00:00:35,389 --> 00:00:33,059

stands for surface water ocean

12
00:00:38,330 --> 00:00:35,399

topography and it'll give us more

13
00:00:39,590 --> 00:00:38,340

accurate data on how the water levels

14

00:00:42,190 --> 00:00:39,600

the fresh water and the salt water

15

00:00:44,869 --> 00:00:42,200

levels are changing with time

16

00:00:46,250 --> 00:00:44,879

the day-to-day varies a lot we're

17

00:00:48,049 --> 00:00:46,260

usually either setting up for a test

18

00:00:49,790 --> 00:00:48,059

testing breaking down from a test or

19

00:00:51,110 --> 00:00:49,800

moving the spacecraft the coolest parts

20

00:00:52,430 --> 00:00:51,120

of SWAT to me are the like the

21

00:00:54,410 --> 00:00:52,440

engineering bits that are slightly

22

00:00:56,209 --> 00:00:54,420

extreme so I've really enjoyed working

23

00:00:58,430 --> 00:00:56,219

on the Deployable antennas it's

24

00:01:00,049 --> 00:00:58,440

nerve-racking but it's a well rehearsed

25

00:01:01,490 --> 00:01:00,059

dance and when the antennas actually

26

00:01:03,590 --> 00:01:01,500

deployed they're really beautiful

27

00:01:07,490 --> 00:01:03,600

they're moving slowly and intentionally

28

00:01:11,750 --> 00:01:10,190

I grew up in Houston Texas I was very

29

00:01:13,910 --> 00:01:11,760

lucky to be part of the Girl Scout

30

00:01:15,649 --> 00:01:13,920

sailing program where they taught us not

31

00:01:17,510 --> 00:01:15,659

only how to sail but they taught us the

32

00:01:19,730 --> 00:01:17,520

very basics of aerodynamics and how the

33

00:01:22,130 --> 00:01:19,740

sailboat worked I became an aerospace

34

00:01:24,350 --> 00:01:22,140

engineer because of that program the

35

00:01:26,990 --> 00:01:24,360

ability to say oh I know how this works

36

00:01:29,630 --> 00:01:27,000

and then going to implement it in like a

37

00:01:31,789 --> 00:01:29,640

way that was fun and exciting was really

38

00:01:34,130 --> 00:01:31,799

rewarding if I were to tell a little

39

00:01:35,690 --> 00:01:34,140

girl how to get into engineering I would

40

00:01:38,450 --> 00:01:35,700

tell her just to get started in whatever

41

00:01:40,010 --> 00:01:38,460

way feels exciting and natural it gets a

42

00:01:42,109 --> 00:01:40,020

lot easier once you just get started and

43

00:01:44,749 --> 00:01:42,119

start tinkering with things and building

44

00:01:47,690 --> 00:01:44,759

whatever excites you

45

00:01:49,389 --> 00:01:47,700

it's not lost on me at all that I grew

46

00:01:51,889 --> 00:01:49,399

up sailing and I still love the water

47

00:01:53,929 --> 00:01:51,899

and the the spacecraft that we're

48

00:01:55,969 --> 00:01:53,939

building will help us track our oceans

49

00:01:57,649 --> 00:01:55,979

and our lakes and our Rivers

50

00:02:00,220 --> 00:01:57,659

hopefully we'll be able to sail for much

