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00:00:11,309 --> 00:00:15,779

My name is Deanna Santiago, and I work in the ceramic branch at NASA Glenn Research

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Center.

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I grew up in the south part of Puerto Rico.

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00:00:19,260 --> 00:00:24,930

Since I was a child, I always want to come to NASA to work in NASA, but that was like

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00:00:24,930 --> 00:00:33,390

a dream, but then when I was doing graduate school my advisor to me to apply for NASA/LERCIP

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00:00:33,390 --> 00:00:38,199

internship, and I didn't know that I could have the opportunity to apply for that internship,

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00:00:38,199 --> 00:00:46,110

and I did, and I came here two summers in a row, and I fell in love with it.

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00:00:46,110 --> 00:00:51,030

I am a research materials engineer, and I'm working with two different groups.

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00:00:51,030 --> 00:00:54,821

One of the groups is the solid oxide fuel cell, and the other group is the nano-material

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00:00:54,821 --> 00:00:57,729

group from the ceramic branch.

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We are creating here, with the fuel cells,

a very unique device that is a very lightweight—that

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00:01:03,650 --> 00:01:12,340

could be used for airplanes and can also be used for space applications because of the

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00:01:12,340 --> 00:01:13,509

lightweight.

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00:01:13,509 --> 00:01:18,560

Also, with the nano-materials, one of the properties of the nano-materials that we are

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00:01:18,560 --> 00:01:20,789

preparing is that it's an insulator.

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00:01:20,789 --> 00:01:27,620

It's one of the best insulators that exist, and we can use that material as a separator

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00:01:27,620 --> 00:01:31,450

of the electrodes of super capacitors to keep the charge in place.

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00:01:31,450 --> 00:01:34,759

That is one of the applications.

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00:01:34,759 --> 00:01:40,619

For me, working at NASA is very exciting because I had the opportunity to learn many things

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00:01:40,619 --> 00:01:42,249

every day.

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00:01:42,249 --> 00:01:46,710

I'm not stuck with just my background in research.

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00:01:46,710 --> 00:01:56,479

I have been learning new topics to keep proposing

new areas—develop new areas.

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00:01:56,479 --> 00:01:58,179

That is very exciting.

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00:01:58,179 --> 00:02:01,229

The National Hispanic Month Celebration means a lot to me.

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00:02:01,229 --> 00:02:06,600

For example, I am part of the Hispanic advisory group here at NASA Glenn.

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00:02:06,600 --> 00:02:13,700

In this group, we make many activities per year to recognize the contribution to our

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00:02:13,700 --> 00:02:19,130

nation of the Hispanic community around here, the area, and nationwide.

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00:02:19,130 --> 00:02:24,290

One of the person that inspired me when I was young was my math teacher.

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00:02:24,290 --> 00:02:30,030

She was a very tough teacher with all the students but she always keep us—like encouraging