



1
00:00:00,000 --> 00:00:04,130
(sound of whirling propellers)

2
00:00:04,130 --> 00:00:06,050
Narrator: With issues about drones becoming

3
00:00:06,050 --> 00:00:09,390
front page news, NASA recently co-sponsored

4
00:00:09,390 --> 00:00:12,510
the 2015 Unmanned Aerial Systems

5
00:00:12,510 --> 00:00:15,160
Traffic Management Convention.

6
00:00:15,160 --> 00:00:18,270
Held at NASA's Ames Research Center, the event

7
00:00:18,270 --> 00:00:20,880
brought together representatives from the public,

8
00:00:20,880 --> 00:00:24,310
industry, academia, government and the

9
00:00:24,310 --> 00:00:27,340
international community to shape the future of

10
00:00:27,340 --> 00:00:31,180
low-altitude air traffic management.

11
00:00:31,180 --> 00:00:33,480
Jaiwon Shin, NASA: Everybody who has interest in

12
00:00:33,480 --> 00:00:38,210
this small UAS operation in low altitude, we

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00:00:38,210 --> 00:00:41,030

wanted to bring everybody together.

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00:00:41,030 --> 00:00:45,580

Make this highly complex challenge known

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00:00:45,580 --> 00:00:48,160

to everybody and then we can take...

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00:00:48,160 --> 00:00:50,510

develop an action plan together.

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00:00:50,510 --> 00:00:53,140

Keynote speakers and panel discussions addressed

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00:00:53,140 --> 00:00:56,050

possible solutions for privacy and air traffic

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00:00:56,050 --> 00:00:59,120

control, and the impact of low-altitude drone

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00:00:59,120 --> 00:01:02,790

flights on the emerging business sector.

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00:01:02,790 --> 00:01:06,090

Gur Kimchi, Amazon: What if things will move themselves?

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00:01:06,090 --> 00:01:10,170

Efficiently, economically, quickly, safely, right?

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00:01:10,170 --> 00:01:12,040

Imagine how they'll change the world, right?

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00:01:12,040 --> 00:01:14,190

And that's really what we're excited about.

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00:01:14,190 --> 00:01:17,990

It's that hugely empowering, enabling platform

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00:01:17,990 --> 00:01:20,340

that, I think, is as powerful as the internet.

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00:01:20,340 --> 00:01:23,200

It's just for physical goods and physical packets,

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00:01:23,200 --> 00:01:25,430

if you will, similar to what the internet

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00:01:25,430 --> 00:01:27,640

did for digital packets.

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00:01:27,640 --> 00:01:30,470

A dedicated exhibit space was set up for companies

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00:01:30,470 --> 00:01:33,740

and NASA to show off their vehicles and a wide

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00:01:33,740 --> 00:01:37,580

range of software applications being developed.

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00:01:37,580 --> 00:01:40,300

One of the key exhibits was animation that showed

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00:01:40,300 --> 00:01:43,630

a software-based low altitude air traffic control

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00:01:43,630 --> 00:01:46,540

system currently being developed by NASA

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00:01:46,540 --> 00:01:48,810

in conjunction with the FAA.

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00:01:48,810 --> 00:01:51,590

It showed how a web-based program could be used in

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00:01:51,590 --> 00:01:54,120

the future to plan and obtain approval

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00:01:54,120 --> 00:01:55,970

for drone flights.

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00:01:55,970 --> 00:01:59,160

Outside, an actual flight demonstration provided a

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00:01:59,160 --> 00:02:02,370

real-world example of how the flight planning

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00:02:02,370 --> 00:02:05,060

software currently works.

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00:02:05,060 --> 00:02:06,810

The audience watched multiple views of the

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00:02:06,810 --> 00:02:09,630

vehicles in flight, computer displays of the

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00:02:09,630 --> 00:02:12,550

vehicle's independent ground control systems and

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00:02:12,550 --> 00:02:14,570

the new planning software coordinating

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00:02:14,570 --> 00:02:16,420

the flights.

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00:02:16,420 --> 00:02:19,120

For the attendees, the UTM Convention was an

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00:02:19,120 --> 00:02:22,260

important glimpse into a not-so-distant future

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00:02:22,260 --> 00:02:25,680

that will touch the daily lives of millions.

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00:02:25,680 --> 00:02:27,180
Jaiwon Shin, NASA: We always come to a certain

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00:02:27,180 --> 00:02:30,430
point in time that we can almost feel it

53
00:02:30,430 --> 00:02:31,630
and touch it.

54
00:02:31,630 --> 00:02:33,920
That there is a breakthrough waiting right

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00:02:33,920 --> 00:02:35,550
around the corner.

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00:02:35,550 --> 00:02:38,270
And I believe that we are looking at it

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00:02:38,270 --> 00:02:39,870
and we can almost sense it.

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00:02:39,870 --> 00:02:42,960
So, this is the event that hopefully,

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00:02:42,960 --> 00:02:45,550
20 or 30 years later, when we have

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00:02:45,550 --> 00:02:48,430
tens of thousands or hundreds of thousands

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00:02:48,430 --> 00:02:51,850
of small UAS flying in the sky safely,

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00:02:51,850 --> 00:02:53,770
that everybody will look back and

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00:02:53,770 --> 00:02:59,410

"30 years ago, at Ames, NASA folks started this."