



esa

EXP 36

Luca
Parmitano

1
00:00:06,950 --> 00:00:04,150
the new members of the international

2
00:00:09,350 --> 00:00:06,960
space station's expedition 36 crew come

3
00:00:10,790 --> 00:00:09,360
from three different countries but share

4
00:00:13,190 --> 00:00:10,800
a common trait

5
00:00:14,789 --> 00:00:13,200
each has wanted to fly in space since

6
00:00:16,870 --> 00:00:14,799
childhood

7
00:00:19,269 --> 00:00:16,880
fjordier yurchikhin was born and raised

8
00:00:21,990 --> 00:00:19,279
in the black sea port city of batumi in

9
00:00:23,830 --> 00:00:22,000
soviet georgia growing up in a time and

10
00:00:26,230 --> 00:00:23,840
place where all the children wanted to

11
00:00:28,630 --> 00:00:26,240
be cosmonauts where the winners of kids

12
00:00:30,470 --> 00:00:28,640
games were called gagarins

13
00:00:32,870 --> 00:00:30,480

your chicken wanted to be a part of that

14

00:00:34,229 --> 00:00:32,880

life even if he couldn't be a dashing

15

00:00:36,950 --> 00:00:34,239

test pilot

16

00:00:39,590 --> 00:00:36,960

what reason i understood maybe

17

00:00:42,229 --> 00:00:39,600

in this day in this time then

18

00:00:44,869 --> 00:00:42,239

it's maybe in my health it's not enough

19

00:00:48,150 --> 00:00:44,879

to be a cost model but what is more

20

00:00:51,510 --> 00:00:48,160

important for me be a pilot or be in

21

00:00:54,310 --> 00:00:51,520

engineer in space program of course

22

00:00:57,029 --> 00:00:54,320

the space program it was

23

00:00:58,869 --> 00:00:57,039

too important for me so after high

24

00:01:01,189 --> 00:00:58,879

school yurchikhin went to the moscow

25

00:01:02,790 --> 00:01:01,199

aviation institute earned a bachelor's

26

00:01:05,350 --> 00:01:02,800

degree in mechanical engineering

27

00:01:07,109 --> 00:01:05,360

specializing in aerospace vehicles and

28

00:01:09,910 --> 00:01:07,119

went straight to work for the rocket

29

00:01:11,750 --> 00:01:09,920

space corporation inergia as an engineer

30

00:01:13,990 --> 00:01:11,760

he worked as a flight controller and

31

00:01:16,310 --> 00:01:14,000

when he became lead engineer for the mir

32

00:01:17,990 --> 00:01:16,320

shuttle program he spent time at nasa's

33

00:01:20,149 --> 00:01:18,000

johnson space center supporting that

34

00:01:23,429 --> 00:01:20,159

effort yurchikhin was selected as an

35

00:01:26,149 --> 00:01:23,439

inergia cosmonaut in 1997 and earned a

36

00:01:28,550 --> 00:01:26,159

phd in economics at moscow service state

37

00:01:30,830 --> 00:01:28,560

university while preparing for his first

38

00:01:33,510 --> 00:01:30,840

space flight he was a member of the

39

00:01:35,749 --> 00:01:33,520

sts-112 crew that delivered a piece of

40

00:01:38,469 --> 00:01:35,759

the station's starboard truss during

41

00:01:40,710 --> 00:01:38,479

expedition 5 in 2002

42

00:01:43,910 --> 00:01:40,720

he returned five years later on a soyuz

43

00:01:46,389 --> 00:01:43,920

spacecraft as commander of expedition 15

44

00:01:48,789 --> 00:01:46,399

and made three spacewalks and followed

45

00:01:52,230 --> 00:01:48,799

that with two more evas as a station

46

00:01:53,830 --> 00:01:52,240

flight engineer on expeditions 24 and 25

47

00:01:55,670 --> 00:01:53,840

in

48

00:01:57,670 --> 00:01:55,680

he believes the station program is

49

00:01:59,749 --> 00:01:57,680

paying off in the things we're learning

50

00:02:01,990 --> 00:01:59,759

while making the effort from improving

51
00:02:03,590 --> 00:02:02,000
the spacecraft themselves to the tools

52
00:02:07,109 --> 00:02:03,600
we develop

53
00:02:09,749 --> 00:02:07,119
but the first big exactly great sensor

54
00:02:11,990 --> 00:02:09,759
for digital community it was factory for

55
00:02:14,070 --> 00:02:12,000
this program and now it's usual for

56
00:02:17,030 --> 00:02:14,080
everybody it's usual for my daughters

57
00:02:19,990 --> 00:02:17,040
it's usual for young boys and girls i

58
00:02:25,030 --> 00:02:20,000
know my profession it's very important

59
00:02:29,830 --> 00:02:27,589
italian air force major luca parmitano

60
00:02:32,070 --> 00:02:29,840
is from sicily born in paterno and

61
00:02:33,030 --> 00:02:32,080
raised in catania in the shadow of mount

62
00:02:34,790 --> 00:02:33,040
aetna

63
00:02:36,309 --> 00:02:34,800

although he was very young when he saw

64

00:02:39,190 --> 00:02:36,319

the first space shuttles fly on

65

00:02:41,430 --> 00:02:39,200

television he was captivated by the idea

66

00:02:43,509 --> 00:02:41,440

of what those images represented

67

00:02:45,430 --> 00:02:43,519

so i remember seeing that the first

68

00:02:47,110 --> 00:02:45,440

astronauts floating around

69

00:02:48,070 --> 00:02:47,120

around the space shuttle doing doing

70

00:02:49,910 --> 00:02:48,080

their job

71

00:02:52,229 --> 00:02:49,920

and i think that even in a kid as smart

72

00:02:55,270 --> 00:02:52,239

as i was i i just thought that must be

73

00:02:57,110 --> 00:02:55,280

the greatest job in the world to be able

74

00:02:59,270 --> 00:02:57,120

to do those things and

75

00:03:01,990 --> 00:02:59,280

and and call it a living

76

00:03:04,149 --> 00:03:02,000

so since then i i had this dream of

77

00:03:05,830 --> 00:03:04,159

becoming an astronaut parmitano won a

78

00:03:08,390 --> 00:03:05,840

scholarship to spend a year of high

79

00:03:10,710 --> 00:03:08,400

school in southern california in that

80

00:03:13,110 --> 00:03:10,720

year in america he not only intensified

81

00:03:15,030 --> 00:03:13,120

his desire to be a pilot by living with

82

00:03:16,630 --> 00:03:15,040

a host family in which the father was a

83

00:03:18,630 --> 00:03:16,640

marine navigator

84

00:03:20,470 --> 00:03:18,640

but he met the girl who years later

85

00:03:22,149 --> 00:03:20,480

would become his wife

86

00:03:24,550 --> 00:03:22,159

back in italy parmitano earned a

87

00:03:26,229 --> 00:03:24,560

bachelor's degree in political sciences

88

00:03:29,030 --> 00:03:26,239

at the university of naples and

89

00:03:31,509 --> 00:03:29,040

graduated from italy's air force academy

90

00:03:33,910 --> 00:03:31,519

then completed his basic training at the

91

00:03:36,149 --> 00:03:33,920

euro nato joint jet pilot training

92

00:03:37,270 --> 00:03:36,159

program at shepherd air force base in

93

00:03:39,270 --> 00:03:37,280

texas

94

00:03:41,430 --> 00:03:39,280

after six years with a fighter squadron

95

00:03:43,830 --> 00:03:41,440

in italy he was sent to france to train

96

00:03:46,149 --> 00:03:43,840

as a test pilot and earned a masters in

97

00:03:48,149 --> 00:03:46,159

experimental flight test engineering at

98

00:03:51,270 --> 00:03:48,159

the superior institute of aeronautics

99

00:03:52,949 --> 00:03:51,280

and space in toulouse in 2009 the same

100

00:03:55,750 --> 00:03:52,959

year he was selected for astronaut

101
00:03:57,910 --> 00:03:55,760
training by the european space agency

102
00:04:00,710 --> 00:03:57,920
now he's making his childhood dream a

103
00:04:02,949 --> 00:04:00,720
reality and fulfilling a desire to push

104
00:04:04,789 --> 00:04:02,959
the boundaries of human knowledge

105
00:04:06,229 --> 00:04:04,799
that's who we are that's what makes us

106
00:04:08,390 --> 00:04:06,239
humans

107
00:04:11,270 --> 00:04:08,400
that is what makes us

108
00:04:13,670 --> 00:04:11,280
different from all from the rest of the

109
00:04:16,310 --> 00:04:13,680
of the animal kingdom and if we don't

110
00:04:19,189 --> 00:04:16,320
follow our of our nature of being

111
00:04:21,110 --> 00:04:19,199
explorators of being thinkers then we

112
00:04:23,110 --> 00:04:21,120
are denying a part of ourselves that is

113
00:04:26,070 --> 00:04:23,120

incredibly important

114

00:04:28,310 --> 00:04:26,080

dr karen nyberg was part of a big family

115

00:04:30,469 --> 00:04:28,320

growing up in the tiny town of vining

116

00:04:32,550 --> 00:04:30,479

minnesota and from the time she was a

117

00:04:34,550 --> 00:04:32,560

very young girl she knew she wanted to

118

00:04:35,749 --> 00:04:34,560

be an astronaut although she doesn't

119

00:04:37,830 --> 00:04:35,759

know why

120

00:04:38,950 --> 00:04:37,840

she learned some solitary pursuits as a

121

00:04:41,270 --> 00:04:38,960

little girl

122

00:04:43,350 --> 00:04:41,280

i've been sewing my mom taught me to sew

123

00:04:44,230 --> 00:04:43,360

when i was probably five or six years

124

00:04:47,030 --> 00:04:44,240

old

125

00:04:49,189 --> 00:04:47,040

i've been drawing since i was also that

126

00:04:50,870 --> 00:04:49,199

age i used to i would never sit in front

127

00:04:53,030 --> 00:04:50,880

of the television just sitting there

128

00:04:54,790 --> 00:04:53,040

watching tv i always had a piece of

129

00:04:57,030 --> 00:04:54,800

paper and a pencil and was drawing or

130

00:04:58,790 --> 00:04:57,040

doodling or doing something

131

00:05:01,270 --> 00:04:58,800

but she took advantage of being in a

132

00:05:03,430 --> 00:05:01,280

small town to join more school

133

00:05:04,790 --> 00:05:03,440

activities than most kids in big city

134

00:05:06,310 --> 00:05:04,800

schools join

135

00:05:08,629 --> 00:05:06,320

i was on the basketball team the

136

00:05:10,469 --> 00:05:08,639

volleyball team the track team i took

137

00:05:12,790 --> 00:05:10,479

stats for the baseball team i was in the

138

00:05:15,590 --> 00:05:12,800

choir i was in the band i was in the

139

00:05:17,029 --> 00:05:15,600

drama club i was able to participate in

140

00:05:18,950 --> 00:05:17,039

all of them

141

00:05:20,550 --> 00:05:18,960

learn to be a team member

142

00:05:23,029 --> 00:05:20,560

she went to the university of north

143

00:05:25,350 --> 00:05:23,039

dakota to study engineering and learned

144

00:05:27,270 --> 00:05:25,360

about a program that lets students work

145

00:05:28,310 --> 00:05:27,280

at nasa's johnson space center in

146

00:05:31,990 --> 00:05:28,320

houston

147

00:05:34,469 --> 00:05:32,000

while finishing her bachelor's in

148

00:05:36,710 --> 00:05:34,479

mechanical engineering in grand forks

149

00:05:39,029 --> 00:05:36,720

and while starting her graduate work at

150

00:05:40,790 --> 00:05:39,039

the university of texas at austin

151
00:05:42,629 --> 00:05:40,800
after she finished a master's and a

152
00:05:45,590 --> 00:05:42,639
doctorate in mechanical engineering in

153
00:05:47,430 --> 00:05:45,600
austin she returned to jsc working

154
00:05:49,749 --> 00:05:47,440
full-time in the crew and thermal

155
00:05:51,590 --> 00:05:49,759
systems division for two years before

156
00:05:54,550 --> 00:05:51,600
she was picked for the astronaut program

157
00:05:57,430 --> 00:05:54,560
in 2000 where she met her future husband

158
00:06:00,150 --> 00:05:57,440
fellow astronaut candidate doug hurley

159
00:06:02,070 --> 00:06:00,160
nyberg was part of the sts-124 space

160
00:06:04,469 --> 00:06:02,080
shuttle crew that delivered the kibo

161
00:06:06,469 --> 00:06:04,479
laboratory module and japanese robotic

162
00:06:09,430 --> 00:06:06,479
arm to the international space station

163
00:06:12,070 --> 00:06:09,440

in 2008 and was the first person to ever

164

00:06:15,430 --> 00:06:12,080

operate the shuttle robotic arm the main

165

00:06:17,430 --> 00:06:15,440

station arm and the japanese arm she's

166

00:06:20,390 --> 00:06:17,440

confident this mission will appeal to

167

00:06:23,350 --> 00:06:20,400

the adventure seeker in today's kids i

168

00:06:26,790 --> 00:06:23,360

think a lot of it is based just on human

169

00:06:28,950 --> 00:06:26,800

nature that we are all very curious

170

00:06:31,670 --> 00:06:28,960

people