



1  
00:00:49,799 --> 00:00:44,819

I

2  
00:00:52,259 --> 00:00:49,809

about a very important relationship we

3  
00:00:55,200 --> 00:00:52,269

have with the Ohio aerospace Institute

4  
00:00:58,410 --> 00:00:55,210

last Tuesday we dedicated this beautiful

5  
00:01:00,329 --> 00:00:58,420

building and began in earnest this

6  
00:01:02,700 --> 00:01:00,339

wonderful relationship that's part of

7  
00:01:04,880 --> 00:01:02,710

our strategy for the 90s you know that

8  
00:01:07,380 --> 00:01:04,890

it is an association of nine

9  
00:01:09,779 --> 00:01:07,390

universities seven of them are public

10  
00:01:11,789 --> 00:01:09,789

and to our private it has the industrial

11  
00:01:14,880 --> 00:01:11,799

sectors of member and of course NASA

12  
00:01:17,550 --> 00:01:14,890

Lewis research center the key to me is

13  
00:01:19,889 --> 00:01:17,560

that this university relationship and

14

00:01:21,990 --> 00:01:19,899

the consortium with the industry opens a

15

00:01:24,180 --> 00:01:22,000

new window into the NASA Lewis research

16

00:01:26,779 --> 00:01:24,190

center our strategy for the decade of

17

00:01:30,180 --> 00:01:26,789

the 90s is to focus on strategic

18

00:01:32,999 --> 00:01:30,190

partnerships as well as focusing on

19

00:01:35,190 --> 00:01:33,009

technology transfer this wonderful brand

20

00:01:36,990 --> 00:01:35,200

new spanking new facility and the people

21

00:01:39,300 --> 00:01:37,000

that make it up are going to help us

22

00:01:41,130 --> 00:01:39,310

achieve that vision this was a gleam in

23

00:01:43,620 --> 00:01:41,140

the eye of a former center director jon

24

00:01:45,449 --> 00:01:43,630

kleinberg as many of you know took a lot

25

00:01:48,149 --> 00:01:45,459

of work and a lot of energy has finally

26

00:01:50,820 --> 00:01:48,159

come to pass so I'm privileged to

27

00:02:02,210 --> 00:01:50,830

welcome you to OA I please get to know

28

00:02:08,180 --> 00:02:05,230

we live in a world of interconnections

29

00:02:10,999 --> 00:02:08,190

connecting is how we learn and how we

30

00:02:13,750 --> 00:02:11,009

innovate it's how we imagine new

31

00:02:17,120 --> 00:02:13,760

possibilities and turn ideas into action

32

00:02:20,480 --> 00:02:17,130

it's how we solve problems and make the

33

00:02:24,890 --> 00:02:20,490

world a better place connecting is how

34

00:02:26,930 --> 00:02:24,900

we achieve the impossible making

35

00:02:29,810 --> 00:02:26,940

connections is the mission of the Ohio

36

00:02:33,640 --> 00:02:29,820

aerospace Institute this unique

37

00:02:36,860 --> 00:02:33,650

consortium of universities industry and

38

00:02:38,890 --> 00:02:36,870

federal labs is dedicated to

39

00:02:42,680 --> 00:02:38,900

collaboration among people and

40

00:02:47,360 --> 00:02:42,690

organizations researchers from nine ohio

41

00:02:52,100 --> 00:02:47,370

university's from the research and

42

00:02:55,460 --> 00:02:52,110

development centers of industry from

43

00:02:57,790 --> 00:02:55,470

right laboratory in dayton and from nasa

44

00:03:01,160 --> 00:02:57,800

Lewis Research Center in Cleveland are

45

00:03:04,490 --> 00:03:01,170

joining together through oai to build a

46

00:03:05,900 --> 00:03:04,500

collaborative Network it's a network for

47

00:03:08,150 --> 00:03:05,910

sharing the benefits of the

48

00:03:09,920 --> 00:03:08,160

sophisticated and costly facilities

49

00:03:13,340 --> 00:03:09,930

needed in today's research and

50

00:03:15,560 --> 00:03:13,350

development it's a network for enhancing

51  
00:03:18,190 --> 00:03:15,570  
Ohio's technology base to meet the

52  
00:03:20,600 --> 00:03:18,200  
challenges of today's economy and

53  
00:03:22,880 --> 00:03:20,610  
distributing the benefits of advanced

54  
00:03:25,970 --> 00:03:22,890  
science and engineering throughout Ohio

55  
00:03:28,310 --> 00:03:25,980  
and beyond but most of all it's a

56  
00:03:31,210 --> 00:03:28,320  
network for connecting human intellect

57  
00:03:34,370 --> 00:03:31,220  
and imagination we're generating

58  
00:03:41,720 --> 00:03:34,380  
expanding combining and synergizing

59  
00:03:47,730 --> 00:03:44,880  
oai connects to the future by helping

60  
00:03:49,800 --> 00:03:47,740  
today's scientists and engineers reach

61  
00:03:52,770 --> 00:03:49,810  
out to those who will shape the world of

62  
00:03:55,860 --> 00:03:52,780  
tomorrow through the Ohio Space Grant

63  
00:04:00,120 --> 00:03:55,870

consortium oai makes connections to

64

00:04:03,900 --> 00:04:00,130

students throughout Ohio making dreams

65

00:04:07,650 --> 00:04:03,910

come to life and keeping those dreams

66

00:04:09,810 --> 00:04:07,660

alive oai connects students to their

67

00:04:12,570 --> 00:04:09,820

dreams by providing scholarships and

68

00:04:16,199 --> 00:04:12,580

fellowships through the Ohio Space Grant

69

00:04:18,660 --> 00:04:16,209

consortium but oai provides much more

70

00:04:20,759 --> 00:04:18,670

than financial help students also

71

00:04:24,570 --> 00:04:20,769

receive an enriched educational

72

00:04:26,400 --> 00:04:24,580

experience oai helps educators share

73

00:04:29,490 --> 00:04:26,410

with their students the benefits of

74

00:04:32,880 --> 00:04:29,500

collaboration access to a broad

75

00:04:34,680 --> 00:04:32,890

community of scholars exposure to

76

00:04:38,310 --> 00:04:34,690

cutting-edge research and Applied

77

00:04:41,300 --> 00:04:38,320

Technology and courses developed jointly

78

00:04:43,800 --> 00:04:41,310

with members of Industry and government

79

00:04:46,230 --> 00:04:43,810

engineering students pursuing graduate

80

00:04:49,200 --> 00:04:46,240

degrees are receiving opportunities to

81

00:04:50,880 --> 00:04:49,210

connect knowledge with experience by

82

00:04:54,659 --> 00:04:50,890

becoming part of the research community

83

00:04:57,540 --> 00:04:54,669

that lies beyond the university with the

84

00:04:59,880 --> 00:04:57,550

sponsorship of oai university faculty

85

00:05:02,400 --> 00:04:59,890

and engineering graduate students are

86

00:05:04,470 --> 00:05:02,410

blending their research and technology

87

00:05:07,290 --> 00:05:04,480

goals with those of government and

88

00:05:09,840 --> 00:05:07,300

industry they conduct research in the

89

00:05:12,060 --> 00:05:09,850

unique facilities of NASA Lewis research

90

00:05:14,940 --> 00:05:12,070

center and right Patterson Air Force

91

00:05:17,310 --> 00:05:14,950

Base and they interact with top-notch

92

00:05:20,640 --> 00:05:17,320

scientists and engineers from government

93

00:05:23,070 --> 00:05:20,650

and industry they comprehend more deeply

94

00:05:24,659 --> 00:05:23,080

the value of their research and gain

95

00:05:29,130 --> 00:05:24,669

insights that will help them choose

96

00:05:31,670 --> 00:05:29,140

future directions oai connects to the

97

00:05:35,430 --> 00:05:31,680

future by fostering lifelong learning

98

00:05:37,650 --> 00:05:35,440

through OA I experienced scientists and

99

00:05:39,870 --> 00:05:37,660

engineers can meet the rigorous demands

100

00:05:42,060 --> 00:05:39,880

of their careers while keeping up to

101  
00:05:45,590 --> 00:05:42,070  
date on the latest knowledge and skills

102  
00:05:48,300 --> 00:05:45,600  
in their disciplines oai helps integrate

103  
00:05:50,909 --> 00:05:48,310  
educational goals and career goals by

104  
00:05:51,930 --> 00:05:50,919  
providing NASA Lewis engineers the

105  
00:05:54,060 --> 00:05:51,940  
opportunity to

106  
00:05:56,430 --> 00:05:54,070  
sooo advanced degrees while they remain

107  
00:05:58,620 --> 00:05:56,440  
in the workplace by sponsoring

108  
00:06:00,870 --> 00:05:58,630  
specialized graduate courses that will

109  
00:06:02,610 --> 00:06:00,880  
connect the theoretical knowledge gained

110  
00:06:06,930 --> 00:06:02,620  
in the classroom to real-world

111  
00:06:09,390 --> 00:06:06,940  
challenges by building a statewide

112  
00:06:12,000 --> 00:06:09,400  
television network for sharing knowledge

113  
00:06:15,930 --> 00:06:12,010

among universities businesses and

114

00:06:17,880 --> 00:06:15,940

federal labs and by bringing scientists

115

00:06:20,970 --> 00:06:17,890

and engineers together in seminars

116

00:06:23,670 --> 00:06:20,980

workshops and conferences that link

117

00:06:26,310 --> 00:06:23,680

Ohio's high technology community to

118

00:06:29,100 --> 00:06:26,320

world renowned scholars i have seen

119

00:06:31,740 --> 00:06:29,110

actually i have produced antiprotons i

120

00:06:34,620 --> 00:06:31,750

have accelerated antiprotons we have

121

00:06:37,650 --> 00:06:34,630

produced readily at cern in geneva 10 to

122

00:06:40,110 --> 00:06:37,660

the power 13 antiprotons and that is of

123

00:06:45,060 --> 00:06:40,120

course our dream to get as close as

124

00:06:47,370 --> 00:06:45,070

possible to MC squared for energy oai

125

00:06:49,920 --> 00:06:47,380

connects to the future by linking

126  
00:06:53,400 --> 00:06:49,930  
knowledge and technology to the needs of

127  
00:06:55,830 --> 00:06:53,410  
the marketplace through oai those who

128  
00:06:58,050 --> 00:06:55,840  
generate new technologies can have a

129  
00:07:00,810 --> 00:06:58,060  
direct connection to those who will use

130  
00:07:03,840 --> 00:07:00,820  
them to find ways of putting new

131  
00:07:06,540 --> 00:07:03,850  
technologies to work oai collaborates

132  
00:07:08,280 --> 00:07:06,550  
with tech transfer organizations such as

133  
00:07:11,010 --> 00:07:08,290  
the new Great Lakes Industrial

134  
00:07:14,220 --> 00:07:11,020  
Technology Center and through the power

135  
00:07:17,909 --> 00:07:14,230  
of collaborative research oai adds a new

136  
00:07:20,760 --> 00:07:17,919  
dimension to technology transfer oai

137  
00:07:23,490 --> 00:07:20,770  
participants from industry federal labs

138  
00:07:25,470 --> 00:07:23,500

and universities are collaborating to

139

00:07:29,040 --> 00:07:25,480

make technology acquisition more

140

00:07:32,250 --> 00:07:29,050

proactive tailoring research to specific

141

00:07:35,460 --> 00:07:32,260

needs shaping technologies at their

142

00:07:39,320 --> 00:07:35,470

inception and guiding technology

143

00:07:42,000 --> 00:07:39,330

development toward future applications

144

00:07:43,650 --> 00:07:42,010

oai connects to the future by

145

00:07:45,659 --> 00:07:43,660

emphasizing the benefits of

146

00:07:49,650 --> 00:07:45,669

collaboration in today's competitive

147

00:07:51,810 --> 00:07:49,660

business environment oai focus groups

148

00:07:55,680 --> 00:07:51,820

are collaborative networks of government

149

00:07:57,630 --> 00:07:55,690

industry and university researchers each

150

00:08:00,240 --> 00:07:57,640

combines the strengths of different

151  
00:08:02,670 --> 00:08:00,250  
organizations the knowledge of different

152  
00:08:03,700 --> 00:08:02,680  
disciplines and the talents of different

153  
00:08:06,760 --> 00:08:03,710  
people

154  
00:08:10,240 --> 00:08:06,770  
oai focus groups connect resources

155  
00:08:12,820 --> 00:08:10,250  
capabilities and expertise to confront

156  
00:08:16,470 --> 00:08:12,830  
underlying challenges in key technical

157  
00:08:20,470 --> 00:08:16,480  
areas challenges in material science

158  
00:08:23,740 --> 00:08:20,480  
advanced sensors and controls structural

159  
00:08:26,860 --> 00:08:23,750  
and fluid mechanics integrated circuits

160  
00:08:30,840 --> 00:08:26,870  
and electronics electric and nuclear

161  
00:08:33,730 --> 00:08:30,850  
propulsion aerospace power systems and

162  
00:08:37,660 --> 00:08:33,740  
many other areas where new connections

163  
00:08:40,750 --> 00:08:37,670

are needed for all participants OH AI is

164

00:08:44,860 --> 00:08:40,760

neutral territory a place for sharing

165

00:08:48,070 --> 00:08:44,870

resources exchanging ideas and working

166

00:08:50,230 --> 00:08:48,080

together when people and organizations

167

00:08:53,280 --> 00:08:50,240

connect through the Ohio aerospace

168

00:08:56,740 --> 00:08:53,290

Institute the possibilities are endless

169

00:08:59,830 --> 00:08:56,750

who knows how far one small connection

170

00:09:03,130 --> 00:08:59,840

can extend it can inspire someone to

171

00:09:07,650 --> 00:09:03,140

achieve or open new avenues of science

172

00:09:10,570 --> 00:09:07,660

and technology or improve people's lives

173

00:09:14,680 --> 00:09:10,580

one small connection can launch a new

174

00:09:22,120 --> 00:09:14,690

product or create a new high-tech

175

00:09:24,070 --> 00:09:22,130

industry or revitalize our economy one

176

00:09:26,170 --> 00:09:24,080

small connection can strengthen our

177

00:09:31,540 --> 00:09:26,180

foundation for education and research

178

00:09:33,970 --> 00:09:31,550

and help us meet national goals who

179

00:09:36,730 --> 00:09:33,980

knows perhaps it will be one small