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OfficeHours_IS31_20160414_Seg03.pdf

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Setting: interview in a mild classroom

Participants: IS31 (plaid shirt, black vest, male) I1 (glasses, female) I2 (female, off camera)

0:00

XXX I1: um
XXX can you say the name of your field again?
XXX like
XXX the name of your study?
XXX of what you're studying?
XXX IS31: uh: now it's uh:
XXX computational fluid dynamics
XXX I1: computational uh fuel- fluid dynamics
XXX IS31: yea
XXX I1: ok
XXX I'll remember this
XXX ok
XXX cause I forgot before
XXX and I was like
XXX hhh
XXX ok so:
XXX um
XXX why do you think it's important to study (.) computation
(.)
XXX of fluid dynamics?
XXX IS3: m::
XXX actually
XXX uh:
XXX well I want to divide it in two parts↑
XXX first (.) for this (.)
XXX uh fluid dynamics (.)
XXX it's more than because it's very (.) widely used in our:
XXX life
XXX for example (.1)
XXX you know the (.)
EXC what's the most (.) sophisticated machine↑ (.)
EXC is that the (.)
EXC oh I don't know how to say it
EXC so that is uh:
EXC engine in air i-in air- uh (plane)
EXC uh
EXC how to say°
EXC fliers

XXX I1: an engine?
 XXX IS31: yea
 XXX I1: [oh in airplanes?
 EXC IS31 [so so so
 EXC yea
 EXC th-that th-the machine that (.)
 EXC uh
 EXC push (.) it to fly
 XXX I1: ok
 XXX IS31: so
 XXX th-th-that is very (.) sophisticated
 XXX and uh now maybe in (.)
 XXX in the world only several (.) countries have the (.)
 XXX ability to
 XXX (.) make that
 XXX maybe like Japan,
 XXX USA,
 XXX uh Germany,
 XXX maybe f-
 XXX uh: anyway
 XXX very few (.) countries
 XXX and-
 XXX I2: what
 XXX can you say that again?
 XXX what- what is the part that is so difficult?
 EXA IS31: uh: (.1)
 EXA ungin?
 XXX I1: engines?
 XXX IS31: yea
 XXX I1: [((inaudible))
 XXX I2: [what type of engines?
 XXX ((IS31 thinks for a bit))
 XXX IS31: ((responds in Chinese))
 XXX I-I don't know how to (.) say that
 XXX I1: I didn't know there were [different types of engines
 XXX I2: [is it propellers?
 XXX IS31: huh?
 XXX I2: propellers?
 XXX IS31: ((thinking))
 XXX I'm not sure
 XXX I2: ok
 XXX IS31: ((returning attention to I1)) sorry
 XXX yea: so:
 XXX I1: ((incomprehensible))
 EVC IS31: so the- the

EVC m: (.1)
 EVC uh
 EVC the
 EVC (main)- the: (.) principle of this- the- his working
 XXX principle is just uh:
 XXX dependant on (.) the dynamics of (.) air
 XXX and
 XXX yea
 XXX this is m:
 XXX a example of why the: fluid dynamics is important
 XXX and uh another thing that
 XXX though now I'm working on fluid dynamics
 XXX but the numerical methods
 XXX are universal for many: (.) programs (.)
 XXX so:
 XXX so, (.) actually
 XXX uh during my undergraduate career
 XXX I didn't do much (.) in fluid dynamics
 XXX but now I'm working on it
 XXX uh I'm just uh want to: (.) uh
 XXX get this (.) uh (numerical skills)
 XXX co- computational skills
 XXX I1: ok [wait
 XXX IS31: [it's very (.)
 XXX uh yea
 XXX universal
 XXX you can just use that in (.) many other aspects
 XXX and it's very powerful
 XXX but (.) in almost (.) any parts (.) you use it
 XXX I1: so: (.)
 XXX because,
 XXX ok
 3:00
 XXX we'll see if I got this right
 XXX IS31: oh
 XXX I1: because only like
 XXX the affluent countries like
 XXX **America↑ and Japan=**
 XXX IS31: =I'm not sure which countries
 XXX yea just the=
 XXX I1: =((incomprehensible))
 XXX the nice rich countries
 XXX only we can- are able to make the:
 XXX the engines for airplanes and whatever?
 XXX IS31: m:

XXX I1: and the so
 XXX because you guys are studying it,
 XXX maybe the other countries
 XXX ((IS31 laughs))
 XXX will be able to as well?
 XXX IS31: uh: yea
 XXX you know
 XXX every country want to have the ability to make by
 XXX themselves,=
 XXX I1: =mhm
 XXX IS31: yea
 XXX I1: ok ok°
 XXX so: (.)
 XXX since you guys are studying it
 XXX does that mean that the engines we have now↑
 XXX are (.) not (.) optimal?
 XXX like they could be better?
 XXX IS31: uh:: (.3)
 XXX it could be better
 XXX because
 XXX you know
 XXX uh our goal is to (.) use uh smaller and smaller (.)
 XXX engines
 XXX that can produce (.) larger and larger power
 XXX this is the main goal. (.)
 EXC um:
 EXC so:
 EXC but uh (.2)
 EXC uh
 EXC I'm not sure (.) about the-
 EXC I mean current development about that
 XXX because
 XXX that's just an example
 XXX I1: [ok
 XXX IS31: [m:
 XXXX my
 XXX uh
 XXX research is (.) focused on (.) like water
 XXX not air
 XXX s- so I'm not-
 XXX I don't know much about the (.) recent development==
 XXX I1: =so what do you guys do with water specifically?
 XXX like what are you (.) researching toward?
 XXX IS31: m:: ((pause thinking))
 XXX uh: (.1)

XXX let me see (.)
 XXX m:
 XXX ((pause))
 XXX it's now: (.1)
 XXX I remember (.) uh one presentation that is (.) hold by (.1)
 XXX our (.) a-a-another senior student in my group
 XXX I1: ((nods))
 EXC IS31: uh it's about uh (.1)
 EXC the (.1) like uh (.2)
 EXC uh maybe it's not very practical
 EXC it's just about
 EXC **when water (.) flows**↑
 EXC uh
 EXC across uh like (.2)
 EXC uh (.) farm,
 EXC you know
 XXX I1: [mhm
 EXC IS31: [if there are many (.)
 EXC uh:
 EXC trees or so on (.)
 XXX I1: mhm
 EXC IS31: that will (.)
 EXC uh:
 EXC have interaction (.) with water and what (.) its movement
 EXC will° (.) be like
 EXC uh and now I'm only (.2) in this group for for for (.)
 EXC two (months in,)
 EXC I'm not very-
 EXC I-I didn't do anything by myself ((chuckling)) now[so
 XXX I1: [oh ok ok
 XXX IS31: yea
 XXX um:
 XXX I-I [don't have too much to say ((laughs))
 XXX I1: [it's fine it's ok
 XXX it's ok ((laughs))