Class 1.2: Preliminary Project Information Search*

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Please email me to arrange an appointment.
My current availability is: Mon 9:00-10:45; Wed 9:00-10:45; Thurs. 9:00-17:00

Teams

Surname	urname Preferred Name		
Gao	Jingxuan	1	
Jones	Brendan	1	
Lam	Allysia	1	
Rae	Kevin	1	
Runesson	Noah	1	
Stewart	David	1	
Lai	Michelle	2	
Lee	Arin	2	
Mainardis	Sebastiaan	2	
Miguel	Lukengo	2	
Rajagopal	Sridaran	2	
Yang	Kevin	2	
Bai	Hanyu	3	
Park	Ahram	3	
Robertson	Cole	3	
Schropfer	Daniel	3	
Situ	Henry	3	
Zhu	Charlie	3	
Niu	Myra	4	
Rose	Jacob	4	
Skinner	Julian	4	
Song	Yizhen	4	
Waal	Alexander	4	
Zhang	Zishun	4	
Hong	Joohyung	5	

Mair Garcia	Tania	5	
Stevens	Cole	5	
Sutanto	Chris	5	
Virginillo	Tara	5	
Zheng	Chenyi	5	
Iqbal	Hassan	6	
Lin	Ken	6	
Neufeld	Charmaine	6	
Suriawan	Michael	6	
Yan	Michelle	6	
Yuen	Jamie	6	
Chen	Yujian	7	
Kang	Yiling	7	
Schellenberg	Connor	7	
Wadi	Seif	7	
Yeganeh	Kevin	7	
Zhang	Farmissia	7	
Aziz	Hamayun	8	
Chow	Christy	8	
Hinshaw	Dylan	8	
Liu	Kevin	8	
Rowe	Graham	8	
Waslen	Alexander	8	
Coleman	Melissa	9	
Fox	James	9	
Guruprasad	Ashwin	9	
Jiang	Yizhe	9	
Sun	Martin	9	
Yoon	Jeff	9	

Agenda

- Reconfiguration into teams
- Project Information Search
 - Possible search approaches
 - · Class collation
- Meeting your instructor and TA
 - Introductions, contact information

Abraham	Stephen	10	Casey	Adam	14	
Escoto	Andrea	10	Deutsch	Dana	14	
Hopkins	Carson	10	Eagleton	Miguel	14	Dixon
Prakitpong	Ratthamnoon	10	Gowe	Breanna	14	Lawson
Slotman	Lukas	10	Li	Belva	14	Lim
Zhuravleva	Julia	10	Zhang	Edward	14	Thiessen
Abdalhamid	Mahmoud	11	Guan	Gary	15	Chen
Gross	Johanna	11	Kölmel	Tibo	15	Choudhur
Lai	Kenji	11	Maras	Stephan	15	Lam
Park	Jongan	11	McCulloch	Steven	15	Lee
Souksamlane	Brendan	11	Rutckyj	Nick	15	Shi
Webb	Stuart	11	Stetsko-Kallin	Kyle	15	Wu
Asfour	Ricky	12	Bunka	Sam	16	Dai Goto
Chan	Jasper	12	Buonassisi	Anthony	16	Hui
Chang	Jacky	12	Fok	Jonathan	16	Parsi
Hendricks	Nathan	12	Goh	Xi Wen	16	Shi
Patterson	Shane	12	Leung	Elaine	16	Wei
Woods	Hamish	12	Vanderhorst	Kyle	16	Baalbaki
Chisholm	Robert	13	Grabowski	Thomas	17	Flett
Со	Gianni	13	Gross	Nicole	17	Jones
Sun	Haozhe	13	Heieis	Josh	17	Jung
Thiesen	Travis	13	Morris	Emily	17	Rohland
Wu	Nan	13	Shiu	Antony	17	Sled
-		+	76	Deniel	4.7	

Alatas

Husein

David

Noel Harry

Raymond

Daisy Osman

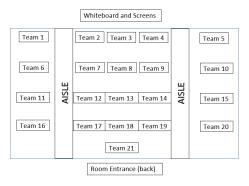
Zach

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^{*} Thanks to Professor Hodgson who provided me with a preliminary draft of this presentation!

Room Configuration by Team Number

• Teams have about 6 students. If all 6 students are in a row, conversation will be a challenge. Please arrange in two adjacent rows.



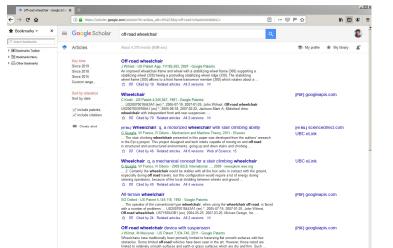
Where Should I Search for Technical Information?

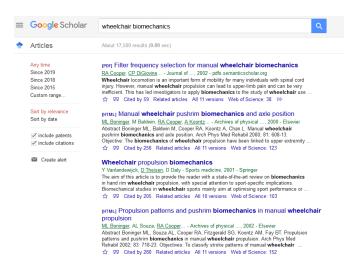
- 1. Wikipedia 2. Google Scholar 3. Textbooks

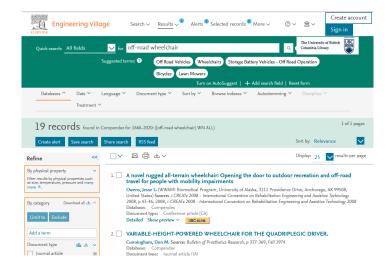
- 4. Standards 5. UBC Library 6. Patents

What Search Terms Might Be Good?

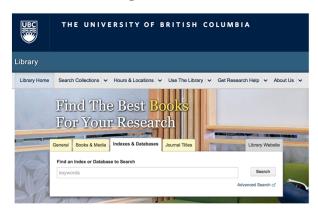
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1. mobility
2. accessibility
3. outdoors /trails
4. client - search for client's web presence
5. "all-terrain vehicles" or "off-road vehicles"
 6 wheel chars
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Note on Searching Journals



All-Terrain Wheelchair

By Janez Podobník, Jure Rejc, Sebastjan Šlajpah, Marko Munih, and Matjaž Mihelj

tate-of-the-art technologies empower people with a hybrid robotic wheelchair that allows the user to traverse studies have shown that, among people with motor disabilities, those having better mobility report greater satisfaction with their quality of life than those having lower mobility [1]-[3]. Motor functions can be improved, recovered, or partially substituted with various robot-based finished the competition, winning a bronze medal in the technologies, such as robotic prostheses, exoskeletons, and electric wheelchairs. Robotic wheelchairs allow those with While lost lower lim motor disabilities practical and efficient electric mobility.

A team of students and mentors from the University of Ljubljana, Slovenia, developed the concept and prototype for

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motor disabilities to carry out activities of daily obstacles, such as stairs and ramps commonly found in urban living, thus enabling a better quality of life. and rural environments, by utilizing both wheeled and Personal mobility is crucial for the well-being of tracked propulsion. Additionally, the team's prototype incorindividuals with motor impairments. In fact, porates a wheel-drive system designed for enhanced maneuverability in indoor spaces. The prototype was put to test at 2016. The team from the University of Ljubljana successfully

While lost lower limb functions can sometimes be restored with intensive rehabilitation, wheelchairs are often the only practical means of transportation for disabled people who find it difficult or are unable to walk. The funda-mental role of wheelchairs is to improve the mobility of users, thus enhancing their ability to participate in activities of daily life [4]. Because it is important for people with

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Project Information Search

- Google Docs Spreadsheet: https://docs.google.com/spreadsheets/d/1ud0Dij7885JjApFVB6Ag3-DM4vojY8W7gY9MO--B4yQ/edit#gid=0
- Purpose: to collect as much background information as possible as quickly as possible!
- Ask relevant questions as a group
- Find some preliminary answers
- Each group is expected to contribute at seven pieces of information under each of three headings:
 - Info Sources (copy and paste a URL)
 - Key Issues (a few words, e.g. required power, stability, etc.)
 - Interesting Information (a few words, e.g. Design A tested and failed)

Switching Teams

Though we discourage this, we are willing to consider 'trade' requests under the following conditions:

- 1. You need to find someone who is willing to switch
- 2. The person with whom you are switching must be in the same option as you are
- You must present a written note indicating a desire to switch, signed by both people, to the MECH office by 4 PM Thursday (ask receptionist to deposit in Markus Fengler's box)

Meeting TA

- Each TA has three groups; assignments posted on Canvas
- Exchange contact info
 - Consider creating gmail or similar address for your group; use convention such as 2019MECH328G#@gmail.com
- Introduce yourselves
- TA will briefly review expectations for first meeting
 - NOTE: FIRST REPORT DUE THIS WEEKEND (SORRY, MONDAY MEETING PEOPLE)