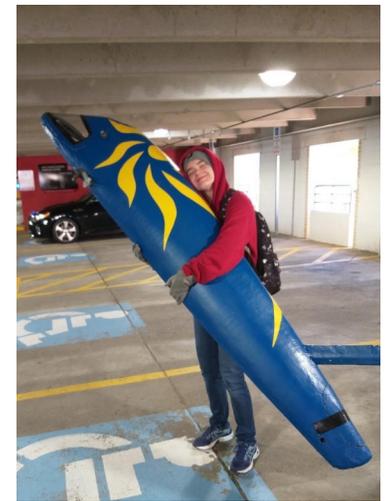




TABLE OF CONTENTS

3	Chairman Note
4 - 9	Buggy Breakdown
10 - 19	Hear the Tales
20 - 43	Meet the Teams
44	Raceday Schedule
45 - 47	Sending Gratitude

CHAIRMAN NOTE



I first fell in love with buggy as an admitted student at Raceday Prelims in 2019. I joined Apex that September, kick-starting a college career that was frequently more buggy than not. Now, 6 years later, I've done almost everything possible to do in buggy besides drive. I've attended dozens of rolls, four racedays, and more capes and push practices than I wish to count. I've led one build and participated in four more. I've driven follow cars and trucks, pushed hill 1s on racedays, done my fair share of 2-5s at rolls, swept roads, moved bales, flagged, hung no parking signs, manned barricades, run Design Competition, been a Raceday broadcaster, and so much more. Like many Sweepstakes Chairmen before me, my college experience is inseparable from buggy and I couldn't ask for anything better. Buggy is so special, and I think everyone else in this wonderful community would agree.

It's difficult to highlight what sets one year of buggy apart from the crowd. One of my favorite ways to brag about this year's teams is to highlight our incident rates at rolls. We've only had one crash this spring so far, and in the fall we had entire weekends with zero stops on the course for any reason. As Lara has said, anytime a buggy brakes or crashes on the course there was a point where the driver of that buggy did not feel entirely safe. Having entire days of rolls where that doesn't occur is a success beyond words.

Sweepstakes Chairman is known as an incredibly difficult role, but I've found it's a lot easier and more fun when the people I get to work with are so wonderful. To all the chairmen I see every week: know that you are doing a better job leading your teams than I think you realize. You constantly surprise me with the care and responsibility you approach this sport with. To all the participants in buggy this year: you make Sweepstakes shed tears of joy on a near-weekly basis when we see how you work with each other and perform your responsibilities to the highest level. To all the Alumni who have supported me this year, especially Jeremy and Rachel: you've been invaluable to keeping this ship afloat. To Caity, Vic, and Elizabeth: I'm so excited by everything you've done this year both in and outside of your defined roles. To Lara and Elliot: You two are amazing. I don't think September us could anticipate how many of our dreams would be fulfilled. To Stacie: I will never be able to thank you enough for everything you do in your role of Sweepstakes Advisor. To everyone here for Raceday 2025: I hope you're as excited as I am.

ELENA HARLLEE
Chairman

COURSE MAP

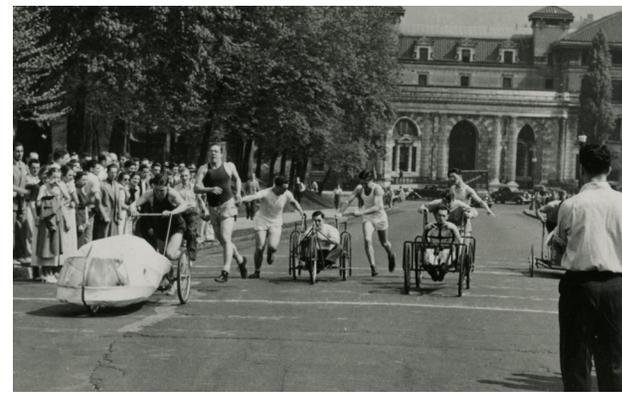


HISTORY OF BUGGY

On Carnegie Mellon University's lively campus, where innovation and passion meet, there's a beloved tradition that students have cherished for more than a century. On May 19, 1920, the first "derby" took place during Spring Carnival, with about a dozen "pushmobiles" lining up in front of the Fine Arts building. These vehicles came in all shapes and sizes.

Initially, the race included a pit stop for changing the back two wheels and permitting the exchange of the two-man team during the race. This Interfraternity race continued to evolve, and the Dorms were allowed to enter the race in 1928. In 1929 the race adopted the present course, starting in front of Margaret Morrison, and using five pushers. The race has stayed in this format to the present.

Buggy Technology and Safety has evolved significantly since the 1920s with modern streamlined buggies

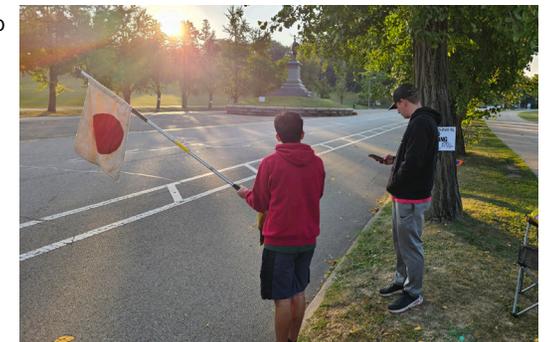


crafted from carbon fiber for enhanced strength, replacing aluminum, wood, and fiberglass used in the past. They incorporate polycarbonate windscreens, harnesses, helmets, and reliable braking systems. Three wheels are now the norm rather than four wheels or the outlawed two wheel designed vehicles of the past. Wheel technology has evolved as well, with variations in size, shape, and polymer.

Buggy has evolved significantly year after year, and this season was no exception. Higher-tech equipment, increased chores, and the opening of Highmark Center for Health & Wellness defined this year's team experience. Multiple teams now use Real-Time Kinematics (RTK) for navigation, and SDC has introduced drone footage to refine driver lines—potentially leading to more consistent chute turns on Raceday. Meanwhile, teams faced mounting challenges, from stubborn bollards to sprouting bales. On the bright side, Highmark's completion means smooth roads and no more construction, thanks to Joe Yimin and Campus Design partners.

The fall semester was favorable, with rolls continuing well past Fall Break and many drivers logging over 30 runs—some as many as 60. However, spring brought setbacks with rain, cold, and delays. When teams finally returned to the course after Spring Break, they came out strong, featuring Spirit's fresh paint jobs and four new builds—Helios (Apex), Starling (CIA), Paranoia (SDC), and Bermuda (Fringe).

Limited roll days, combined with an influx of new drivers, led Sweepstakes to establish updated qualification guidelines for safety. Some teams struggled—AEPI failed to re-debut, DG lacked enough rolls for their new build, and SDC's larger than usual wooden buggy, Gluttony, didn't pass brake tests. Despite these hurdles, teams remained competitive, with smooth mechanics, consistent driver lines, and pushers in peak form. Now, all eyes are on Raceday to see how it all plays out.



BUGGY TERMS

GENERAL TERMS

Buggy A vehicle built, maintained, operated, and pushed by Carnegie Mellon students throughout the year in preparation for the races held during Spring Carnival.

Buggy Commonly held name of the Sweepstakes race and the sport in general.

THE PEOPLE INVOLVED

Sweepstakes The official term for the buggy races held during Spring Carnival.

Buggy Team A student organization that owns buggies and participates on Raceday.

Racing Team Five pushers, one driver, and one buggy.

Catchers Students who stop the buggy after it crosses the finish line.

Flagger Member of an organization's team who stands on the course and signals to the drivers when to make their initial turn into the chute.

Follow Car A vehicle that follows the buggies in each heat containing judges and crew.

COURSE FEATURES

Chute The tight right-hand turn halfway through the course at the intersection of Schenley Dr. and Frew St.

Rollout Distance the buggy travels up Frew Street after coming through the chute before it slows down enough for the Hill 3 pusher to begin pushing it.

RULES

Drop Test A test of each buggy's braking system; performed before rolls and after each race.

Five-Second Rule Within five seconds of the start of the heat, nobody except the pusher may be within five feet of the buggy in any direction.

Pushbar Rule The Hill 5 pusher must have a hand on the buggy as it crosses the finish line.

PAST WINNERS

	MENS		WOMENS		ALL GENDER	
2024	CIA	2:07.53	CIA	2:30.96	SDC	2:36.27
2023	PiKA	2:09.39	Spirit	2:35.28	Apex	2:45.58
2022	SDC	2:08.74	Spirit	2:45.18		
2021	SDC	2:11.30	SDC	2:37.50		
2020						
2019	SDC	2:06.61	SDC	2:27.30		
2018	SDC	2:03.17	SDC	2:23.60		
2017	SDC	2:02.16	SDC	2:23.27		
2016	SDC	2:03.10	CIA	2:31.06		
2015	SDC	2:12.36	CIA	2:35.64		
2014	SDC	2:04.47	SDC	2:33.45		
2013	SDC	2:04.99	SDC	2:32.60		
2012	SDC	2:05.84	SDC	2:30.90		
2011	Fringe	2:05.08	SDC	2:34.96		
2010	Fringe	2:07.50	Fringe	2:40.59		
2009	SDC	2:03.30	SDC	2:25.60		
2008	PiKA	2:04.35	SDC	2:28.84		
2007	PiKA	2:07.39	SDC	2:31.00		
2006	PiKA	2:07.30	PiKA	2:38.50		
2005	PiKA	2:07.87	Fringe	2:37.91		
2004	PiKA	2:11.74	PiKA	2:29.83		
2003	PiKA	2:10.10	Fringe	2:44.81		
2002	PiKA	2:09.19	PiKA	2:30.58		
2001	Fringe	2:09.07	Fringe	2:34.70		
2000	PiKA	2:07.41	SDC	2:35.79		

SWEEPSTAKES



Buggy is a sport of such fun highs and unique lows, hands down. As someone who's tried to involve myself in the sport in every way possible (even driving, which wasn't ever a successful endeavor given my height) I feel like I really got a chance to see most of these ways Buggy affects people, but also how people affect Buggy. The one constant throughout everything is the incredible community from the big band of fools who spent their weekends not sleeping in. So for everyone from brand new freshmen to last semester seniors like me, enjoy the ride!

ELLIOT ESCALANTE
Assistant Chairman



After raceday last year, I was re-elected to Sweeps with a promise: no new driver's experience would go unaccounted for. Year after year, Buggy has been plagued by inequality across teams in terms of driver training which, in the worst of cases, results in hospitalization. This year, my focus was on fostering a culture of safety. While current team members and alumni continue refining attachment points and braking systems, nearly every injury in Buggy stems from driver decision-making. To address this, Sweeps introduced personalized course walks, drive-arounds, pre-roll check-ins, and post-roll debriefs for every new driver. These improvements have halved the number of stops on the course and prevented all injuries. We owe this success to the brave and wonderful class of drivers of 2025 who have made my role as Safety Chair the most rewarding position I've held in my undergraduate career. A special thank you to Elena for always listening and making me feel comfortable - I couldn't have done this without you. Stacie, Elliot, Vic, Caity, and Elizabeth, thank you for supporting my mission to give every driver an experience as incredible as mine. And to the entire Buggy community - thank you for your trust and belief in me!

LARA WITWICK
Safety Chairman

I have been a part of buggy since my first week of college and being able to contribute to this tradition has been really impactful on my time at CMU. As a member of Sweepstakes, I've been able to be more deeply involved than I ever imagined by helping various teams, finding ways to make showcase and design competition more fun, and most importantly ordering the giant pizzas. Being a member of Sweepstakes has been the perfect end to my time at CMU. Finally, a quick shoutout to all of the people that have made my time on buggy so incredibly fun. Thanks to my Sweepstakes team for helping me through all of the planning shenanigans. Thanks to Aviva, my beloved predecessor, for encouraging me to run. Lastly, thank you to Apex Buggy for giving me the best memories. Happy RD '25 !!!

CAITLYN SANTIAGO
Design Competition and Showcase Chairman



Buggy was never supposed to be my "thing." I didn't even know what buggy was before seeing the row of tents of teams recruiting in front of Doherty. Little did I know, it would become one of the most rewarding aspects of my college experiences. Being in leadership of CIA and now being on Sweeps has always been about the same thing—making positive experiences. I've thoroughly enjoyed the opportunity to create this book that will help store some of those memories. In the process, I've been able to collaborate with different teams, hear different perspectives on the buggy experience, and most notably, drawing a hot dog truck on the cover. I'm looking forward to my last Raceday alongside my longtime teammates and new friends!

VIC NGUYEN
Buggy Book Chairman



For me, Buggy is a family affair. Raceday was annually livestreamed with retired pusher and driver commentary and my childhood dream was to be in the back of the follow truck. Though I've never actually made my way on to a team (believe me, many have tried - the burdens of being driver sized...) I love being able to do this behind the scenes work throughout the year.

This being my fourth year on Sweeps, I can say I have nothing but love for the people. Many thanks to everyone on Sweepstakes, the BAA and Stacie. Special thanks to Core Sweeps, who work tirelessly and trust me to (hopefully) make their job easier.

I'm excited to spend my final Raceday as a student from the broadcasting booth and here's to many more years of our favorite sport.

ELIZABETH ZAPANTA
Communications Chairman



TALE OF A CHAIR

Before I came to college, I was always told that college was a place where you should try new things. When I first came to CMU, I knew I wanted to get involved in a plethora of activities across campus. I was already involved in the varsity swimming & diving team but I still wanted more. One of my friends on the team, Lewis (who would become SDC's head mechanic), suggested that we go to the club fair after practice. There we had a positive interaction with some members of SDC's team and decided that we'd go out to rolls with them. Even though I had to get up at 3:00 in the morning just to stand beside a tent door, I had a lot of fun hanging out with the team and watching the Buggies go by. It was after the first rolls that I knew I wanted to be a part of Buggy.



with
**CHRISTIAN
LANUZA**



In the spring I joined the Pi Kappa Alpha fraternity and relinquished my membership on SDC's team for PiKA Racing (if you read my Tale of a Mechanic in the 2023 Buggy Book you'll hear about my thrilling first year on PiKA's team and see that I was in fact here to stay). A year later I'd assume the Chairman role for the team. Running a Greek team has its challenges. Sometimes we have to divide our members among a variety of different tasks at the same time. There could be anything from Buggy, Greek Sing, varsity athletics, intramurals, philanthropy & community service events, or general Pike events occurring simultaneously. With all the academic challenges of CMU piled on top, it can be challenging to get people out to rolls - especially during midterms season.

But running a Greek team has rewards that outweigh the challenges. For starters, I've made friendships that will last a lifetime. I'm thankful to Leo Badaker, Miguel Samos Rivas, and Raymond Welgosh for their friendship and support on and off the course. The team would not have been as fun or as successful without you three leading it with me. This opportunity has also taught me invaluable lessons that can be applied to my life outside of Buggy: how to motivate a group of people to work towards a common goal, how to lead, and how to fundraise and manage a budget. I'm confident that in the long run these friendships and skills will outweigh the stress of getting people to come out to rolls.



Everyone knows that participating in Buggy is demanding regardless of what role you're in. There are many times when I would have rather been sleeping during the early morning rolls on frigid November mornings or during late night push practices in March. But when things got tough, members of my team, Sweepstakes, and other teams (especially SDC) were there to lend a helping hand. Buggy truly is an amazing sport filled with amazing people. To the PiKA Racing team, Pi Kappa Alpha Fraternity and its alumni leaders, and CMU Buggy community, thank you for your friendship and support throughout my time here at CMU. It's been a pleasure being a part of one of CMU's greatest traditions for the past four years. See you out on the course!

CHRISTIAN LANUZA Chairman of Pi Kappa Alpha

TALE OF A MECHANIC

Buggy research is a strange ordeal. Some days, you're arranging samples on a three-point bend machine. Other days, you're playing tug-of-war with harness rings, or stomping on parts to see if they break. That isn't to mention the carbon fiber trash cans slowly peeling apart in the back of the shop.

Change is scary. The buggies you've been building for the past 10 years have been working; why shouldn't you keep building them the same way? But every gram of material shaved away, every cent you scrape together—those small victories should be celebrated. Even if you don't succeed, you hope that the discoveries you make inspire others to also try something new.



Of course, research as a team is not without its hurdles. Prototypes fail. People break tools and put parts on backwards. Someone is sawing 2-inch bolts in half because all of the 1-inch ones mysteriously disappeared. "Small fires," you call them. Not catastrophic, but frustrating. Sometimes you wish you could clone yourself and stand in every corner of the shop, waiting to step in when something goes wrong.



But then you remember your first day in the shop and how incredibly lost you felt. Nomex? VARTM? What is this gibberish? You come to accept that everyone—yes, even you—is still learning. You stumble, you fail, and just when you're at your wit's end, someone comes to your aid with their goggles on and a wrench in hand.

And just as mechanics have their learning moments, they also find time to shine. You find that there are people far more skilled at machining than you ever will be. You learn something new about composites everyday from the folks at CMR. Your artsy friend has the steadiest



hands, and there is no one you would trust more with shell touch-ups. It is incredibly humbling to see people from all over campus working to push the build across the finish line.

In truth, no matter how much work we put in, nothing comes out perfect. It would be nice to walk home this Raceday with a sleek new buggy and shiny trophy, but it's really about passing the torch—encouraging wild ideas, spreading knowledge, and celebrating every little success as a team. We're not just building buggies. We're building community.

SACHI ONISHI Head Mechanic of Apex

TALE OF A PUSHER

To me, Buggy is the ultimate challenge of discipline. Waking up at 5 a.m. every weekend to push a teammate in a rolling tube up an enormous hill is not what I imagined college would be. However, I've still shown up almost every weekend and to midnight practice for the last five years. Why do I do this? I could go on about how I love spending time with my friends, but the truth is, I could be doing that after 9 a.m. instead. I think it's the challenges that push me. Push me so much that I still push even though I've been fighting a recurring broken fibula for the past year and a half. Even on the days I was on crutches, I would still hobble over each morning to follow car, all while yelling at the other pushers about who's doing Hill 5 next.



with
**COLBY
SISCO**



It couldn't be the endless hay from bales that shows up in my jean pockets years later that motivates me. Maybe it's the adrenaline rush of race day that gets my heart pumping. There's something that makes my stomach drop when I see the buggy for the first time cresting Hill 4. That's a feeling no roller coaster at Kennywood could give you.

It's definitely not the 5 a.m. Zello notification. I'll never forget the dream I had of a dog telling me there was a construction backhoe on the course. I wonder if it's the end that I like the most, like the end of a successful day of rolls or the end of a race day (if it doesn't get rained out). The feeling of completing something that took days, months, or even years is satisfying, even if it's a sport that so very few people will ever know about. Even though it was a challenge and I failed many times along the way, I learned a lot about myself through it. And if I learned anything from my five years of pushing and one year of being a captain, it's to never trust a pusher to wake up—and don't ever piss off a Mech (they've been through hell and back since 3 a.m.).

COLBY SISCO Pusher of Spirit



TALE OF A DRIVER

with
**MIA
MOTO**



When I went to my first driver safety meeting, the Sweepstakes safety chair told me that I was about to be a part of a small, unique group of people: buggy drivers. It hit me then how rare of an opportunity it is to be a driver. You have to be a CMU student, around 5 feet tall, and be a little bit crazy (at least crazy enough to get up at 4:30 am to fly down a hill in a tiny carbon fiber tube every weekend). The safety chair proved to be right. Being a buggy driver has been such a special experience, and it has become a big part of my life.

One of my favorite things about buggy is that it is so unique to CMU – it literally doesn't happen anywhere else! Because of that, a lot of the learning comes from being taught by those who have done it before you. My head driver last year taught me everything I know about driving: the best racing line, how the road gets super bumpy before the stop sign, and to wear fuzzy socks when it's extra cold in the morning. After learning everything from her, I was excited to one day teach new drivers as well. This year, with so few rolls in the

spring and two new drivers on our team who need to get qualified, we've had quite the task set ahead of us. Despite the pressure that comes with having such limited rolls, I've found so much joy in helping teach the new drivers everything there is to being a buggy driver. It's been exciting to introduce this unique world to them, as my head driver did for me last year. I'm also incredibly excited to be driving a new(ish), faster buggy. This year, SigEp has done a great job of fixing one of our old buggies, and I'm excited to see our



team perform even better with it. Getting ready for race day is definitely stressful, but my team makes it so fun. There's never a dull moment with SigEp, and we always know how to have a good time in the midst of our chaos. The tiredness of waking up so early goes away when our speaker starts blasting music, the donuts arrive, and I start zooming down the free roll. There's no other feeling like it. During my last two years at CMU, I hope to experience the rush I get when driving as many times as possible.

MIA MOTO Head Driver of Sigma Epsilon

TALE OF A ROBOTTEAM



with
ATLAS

What's your goal for this Raceday?

Our goal is to complete the race course semi-autonomously.

What was your personal motivation and experience of being a part of a robotic buggy team?

We are both computer scientists and are interested in Artificial Intelligence, and we wanted to mirror some of the recent developments in self driving vehicles here on a much smaller scale.

What some of the challenges with running Atlas?

We are taking a novel hardware light approach to buggy. This has caused us some issues as we are working with cutting edge techniques to use cameras for guidance and navigation. We are also facing recruiting issues in terms of getting members interested in the project and pursuing future efforts.



What do you think the future of robotic buggy teams is?

We hope that Robotic buggy will become more accessible as the hardware requirements continue to decrease and the cost of developing new Autonomous buggies comes down. The big thing for us is making sure people know that pretty much any team, with or without an autonomous platform can throw one together and have it be operating via radio control at a low cost. I think that in terms of software, it's still very complex and difficult to implement, but increased focus in the area and collaborative development may make it so that Autonomous Buggies will truly be racing head to head within the next decade.

PARTH IYER and **ALEX LYONS** Chairmen of Atlas



APEX

Apex Buggy is CMU's youngest independent buggy organization, founded in 2012 by a group of friends in Rez on Fifth. We're one of the only fully open-source teams on the course! This year we are once again building a new buggy - Helios! Apex's focus is not on winning but instead on having fun, and making buggy as enjoyable as possible for everyone!

Buggies

- Helios (2025)
- Scorch (2023)
- Molotov (2020)
- Solaris (2019)
- Firefly (2017)
- Phoenix (2013)



Special thanks to:
 Adam McCue,
 Connor Hayes,
 Ethan Gladding,
 Kyle Hsin, Jude
 Markabawi, Aviva
 Young, Isabel Vala,
 Sydney Baker,
 James Frucht,
 Vidya Shastry,
 Leah Restad,
 Amanda Vallon,
 Juno Hoffman,
 Caity Santiago,
 Elena Harlllee, Ed
 Wojciechowski, John
 Fulmer, Tom Rusu



Mechanics

- Sachi Onishi
- Katrina Mayen
- Iris Li
- Sam Leong
- Caity Santiago
- Adam De La Houssaye
- Tiegan Duncan
- Mady Eidman
- Samuel Green
- Andrew Hoo
- Ray Kong
- Max Kramer
- Meryl Meyerson

- Jackson Niheu
- Beatrice Schroeder
- Liam Swayne
- Kayley Sze
- Sarah Tillinger
- Alex Werth

Drivers

- Maggie Blair
- Emma Bigler
- Lilly Qin
- Sara Oberg
- Amalia Kamon



Leadership Positions

- Chairman**
Sam Green
- Assistant Chairman**
Tiegan Duncan

Head Mechanics

- Sachi Onishi
- Assistant Head Mechanics**
Katrina Mayen

Build Lead

- Iris Li
- Assistant Build Leads**
Sam Leong

Head Driver

- Maggie Blair
- Push Captains**
Anthony Montoya
Wesley Kane
Michelle Bank

Social Chairs

- Sara Oberg
- Ray Kong
- Lily Qin
- Sarah Tillinger

Treasurer

- Kit Zivin

Pushers

- Anthony Montoya
- Wesley Kane
- Michelle Bank
- Andrew Hoo
- Liam Swayne
- Sid Shah
- Shaborn Legette
- Josh Washington
- Kshan Pandey
- Riona Duncan
- Vivian Lin
- Meryl Meyerson
- Hannah Chinn
- Angie Yang
- Bella Krisky
- Vic Chen
- Ella Maxwell
- Kailey Rugani

- Gus Gamble
- Jarod Bloch
- Maggie Holcomb
- Matt Hou
- Maggie Blair
- Brandon Bravo
- Eric Lian
- Robert Pures
- Lydia Evans
- Wiktorija Grochowski
- Sanjana Kadiyala
- Iris Li
- Evren Konuk
- Marc Dunand
- Sam Green
- Max Kramer
- Alex Werth
- Katrina Mayen
- Sam Leong

- Tiegan Duncan
- Jeffrey Wang
- Jax Fienstein
- George Shao
- Alison Ding
- Selena Lin
- Stephanie Lu
- Thiessen Coleman
- Skylar Arce
- Sam Park
- Meera Nair
- Jasmine Li
- Ayaan Shaikh
- Sandhya Fashnacht
- Janna Lu
- Kwaku Bimpong
- Joshua Malley

Chairmen

Alex Lyons
Parth Iyer

Mechanics

Matthew Oates

Pushers

Parth Iyer
Ram Potham

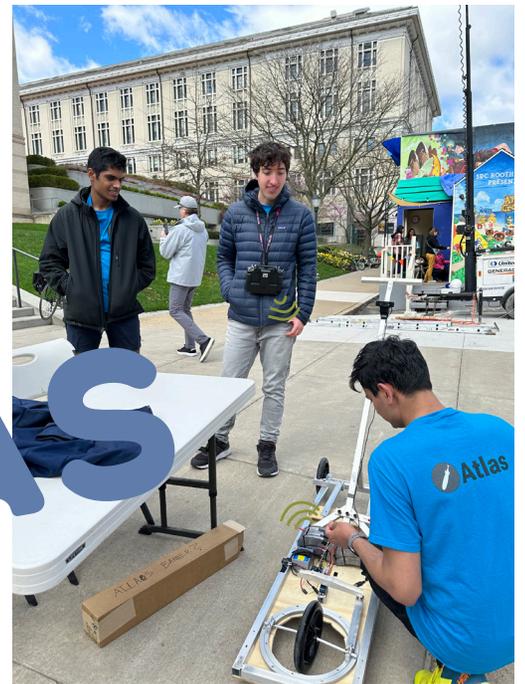
Buggies

Monaco (2024)
Baby Buggy (2019)



ATLAS

Founded in 2015, Atlas is a group of undergraduate students at Carnegie Mellon University focused on creating a vehicle capable of navigating itself around Carnegie Mellon's iconic buggy course. Since the project's founding in the dormitory of an excited freshman, then as a part of the Carnegie Involvement Association, the Atlas Project has grown into a full-fledged university-funded student organization. We have been at the forefront of the robotic buggy competition, pushing for its incorporation into the annual Sweepstakes competition held during Carnival. Post pandemic, we debuted our computer vision based architecture with Monaco, the first scratch build of the team.



Buggies

- Equinox (2015)
- Emperor (2017)
- Kingfisher (2020)
- Roadrunner (2022)
- Goldfinch (2024)
- Starling (2025)

Leadership Positions
Chairmen
 Aiken Xie
 Summer Sun

Head Mechanic
 Feya Epel

Assistant Head Mechanics
 Berin Celik
 Alyssa Yang

Head Driver
 Julia Liu

Build Lead
 Addie Martins

Assistant Build Leads
 Anson Li
 Shirley Li

Head Push Captain
 Catherine Or

Push Captains
 Arden Ryan
 Tio Ajani
 Pauline Zhuang
 Audi Lin
 Anna Liu

Data Chair
 Adriana Holtzman

PR Chair
 Shira Kutin

Social Chair
 Julia Anitescu

Design Chair
 Kaylan Zhang

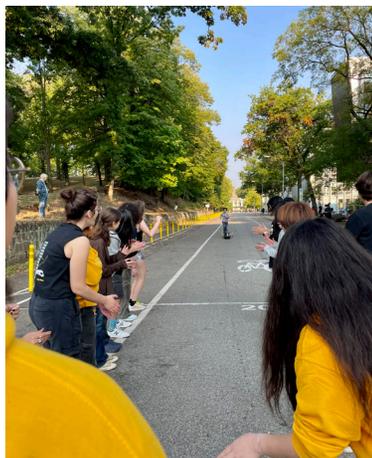
Secretary & Alumni Chair

Amber Chang

Treasurer
 David Chan

Webmaster
 Michael Crotty

Pancaking Chair
 Vic Nguyen



Mechanics

- Kaitlyn Vitkin
- Teadora
- Gildingers
- Ketaki
- Guhagarkar
- Nitya Goyal
- Adah Hu
- Ajay Clark-Desai
- Allison Li
- Amelia Bommer
- Annie Marcelino
- Anthony Toman
- Chenerai Hess
- Claire Morrey
- Hyeyoon Song
- Kevin Qian

- Lucy Colburn
- Maddie Matsuno
- Mandi Niu
- Rishon Baiju
- Sami Sharif
- Theresa Pham
- Arush Kisti
- Heidi Lou
- Jeffrey Chen

Drivers

- Jazz Liu
- Kaylan Zhang
- Amber Chang
- Lucy Knox
- Addy Kwan

We want to give special thanks to our dedicated alumni this Raceday, without whose support our ongoing success would not have been possible.

CIA

Founded in 1970, the Carnegie Involvement Association, or CIA, was the first independent (non-Greek) organization to win Buggy Sweepstakes. Open to all members of the student body, CIA aims to be an inclusive environment that brings the joy of buggy to everyone. Sticking to our motto of "Work Hard, Play Hard", CIA is looking to remain top of the leaderboards this Raceday with the latest addition to our competitive fleet: Starling.



Pushers

- Simone George
- Andrew Hoe
- Issac Au
- Dan Emerson
- Gavin Lin
- Grace Lin
- Lou Feng
- Mrinal Verghese
- Abby Breinfeld
- Nate Klein
- Patrick Xue
- Thomas O'Brien
- Tiffany Yang
- Anna Prouty
- Kayla Delmore
- Jesus Feliciano

- Trey Dubose
- Zimo Ge
- Jeffrey Zhang
- Maggie Wu
- Jordan Fon Sing
- Jessica Cai
- Anna Zaniolo
- Oliver Graham
- Emma Kulbida
- Thomas O'Brien
- Emma Hoffman
- Audrey Lambert
- Indie Lee
- Gabriel Sims
- Nicole Timko
- Justine Katz
- Anya Peper

Buggy
Banta (2025)
Insite (2003)

Leadership Positions
Chairman

Jasmine Jin

Assistant Chairman
Carys Doyle

Head Mechanic
Angie Zhao

Assistant Head Mechanic
Natalie Ficca

Push Captains
Sabrina Yao

Drivers
Ines Maquaire
Jolie Wang



Special thanks to Cherie Hayek Morgan and Andy Bordick; APEX, CIA, SDC, AEPi; Sweepstakes, Diya, and the BAA; and above all, the sisters of Delta Gamma who make buggy possible and a special pastime for all of us.



DG

DG Buggy is the only Panhellenic and all-female racing team, representing the sorority Delta Gamma. Since its inception in 2020, DG Buggy has won numerous Chairman's Choice and Most Improved Team awards, with its Women's A team placing sixth on Race Day '24. Currently, the team is working on a new buggy named Banta with the help of the entire chapter and alumni, anticipating a debut next fall 2025.



Leadership Positions
Chairmen

Rebecca Dettmar
Emily Cerchio

Head Mechanic
Abbey Miller
Sam Radziwon

Head Driver
Arini Bhargava

Push Captains
Holden Neely
Jaden Singh
Rita Paixao
Zoe White

Buggies
Bermuda (2025)
Blackbird (2024)
Burnout (2022)
Baltic (2020/21)
Blueshift (2017)



Pushers

AJ Stair
Allen Hung
Constantine
Westerink
Ella Garruto
Ethan Cooper
Grace Smith
Jacques Moye
Kevin
Humphreys,
Kim Hansen
Kostas Bogiantzis
Kyrsten Denise
Rioveros
Maddie Huang
Maele Allanic
Mia Goins

Nik Firestone
Samantha
Trimboli
Tomer Biran
Will Curvan

Drivers

Abbey Miller
Bobbi
Zimmelman
Caroline
Kiesnowski
Ella David
Miriam Bundy
Rebecca Dettmar
Winona Wang
Arini Bhargava



FRINGE



Fringe Buggy has been On The Edge since founded by a group of architects in 1969. Throughout our tenure, we've strived to improve our buggies with every new build, centering on safe, creative, and innovative engineering to give us a competitive edge. We've expanded our membership throughout the school and cultivated an environment where anyone can learn how Fringe Rolls Buggies Really Fast. We're excited to present our newest buggy and our talented team! Fringe ready? FRINGE ROLL.



Mechanics

Abigail Brunner
AJ Stair
Anagha Pai
Arini Bhargava
Caroline
Kiesnowski
Chloe Markus
Ella David
Eli Forcucci
Ella Garruto
Emiliano Zetune
Gabriel Wimmer

Grace Smith
Holden Neely
John Diaz
Jovanni Acosta
Kendall Hart
Kevin Humphreys
Keya Mann
Kostas Bogiantzis
Maddie Huang
Maele Allanic
Nelitha Kulasiri
Nik Firestone
Tomer Biran
Vincent Topmiller
Winona Wang

Thank you to James Wong and Diya Nuxoll for their support this year!





Mechanics
 Miguel Samos Rivas
 Leo Badaker
 Andrew Porco
 Nikita Sakharuk

Pushers
 Thomas Cornelius
 Matthew Wellener

Gideon Deasy
 Michael Acquaah-Harrison
 Brendan Clark
 Lucas Zienkewicz
 Sebastian Douchis
 Ryan Nagle

Driver
 Beverly Zhang

PIKA

Since its creation in 1921, PiKA Racing has been at the forefront of the competition. Every year we strive to be the best on the course while developing members of the team by giving them the "Courage to Be More."

Leadership Positions Chairmen
 Christian Lanuza
 Raymond Welgosh
 Will Blankenship
 Danny Li
 Uzi Isman

Push Captain
 Thomas Cornelius
Chapter President
 Steven Shea
Treasurer
 Thomas Cornelius



Buggy
 Raptor (2011)

Special thanks to:
 Tom Wood, Keshav Raghavan, Eric Bruner, Dave Connelly



Leadership Positions
Chairmen
 Samanvita Singhania
 Delaynie McMillan

Software Lead
 Mehul Goel
Firmware Lead
 Alden Grover
Mechatronics Lead
 Carter Harllee
Push Captain
 Tucker Shea

Pushers
 Tucker Shea
 Carter Harllee
 Delaynie McMillan
 Evan Foster
 Garrison Chan
 Kevin Wang
 Mehul Goel
 Mikhail (Misha) Khrenov
 Nnenna Nwaigwe
 Sascha Kudrytski
 Vuyani Saige



Mechatronics
 Carter Harllee
 Jessica Bae
 Nnenna Nwaigwe
 Mikhail (Misha) Khrenov
 Sascha Kudrytski
 William Gao
Firmware
 Alden Grover
 Delaynie McMillan
 Garrison Chan
 Gyanepsaa Singh
 Owen Ball
 Robbie Mones

Software
 Mehul Goel
 Aislynn Li
 Evan Foster
 Jessica Cai
 Joyce Zhu
 Rishi Kumar
 Samanvita Singhania
 Saransh Agrawal
 Sophia Zhao
 Tucker Shea
 Jack He



Founded in 2013, Robobuggy began when Roboclub members dived into a dumpster for the remains of the first robotic buggy used by AEPi and the CS department (Singularity). Since then, four robot buggies have been built, each aiming for the goal of a fully autonomous course completion during Raceday and finishing faster than a human team. This Raceday, we are back and buggier than ever, with goals to set a new speed record, achieve fully autonomous buggy-buggy passing, and grant our buggies the gift of (computer) vision. With two highly-complex, unstable technological systems, get ready to watch the buggiest buggy race you've ever seen!!!!



Buggies
 Short Circuit (2023)
 NAND (2024)

ROBO BUGGY





SAE

2

Chairman
Ehinomen
Omomhenle

Buggies
Scratch 4k (2024)
Barbie (2018)



Mechanics
Ehinomen
Omomhenle
Eric Grynberg
Kira Boucher

James Kramer
Nicholas
Alvarado
Edgar Vargas
Giovanni
Coraluppi

Pushers
Andrew
Johnson

Drivers
Andy Vu

SAE blazes a trail of triumph, unity, and unwavering spirit. With hearts ablaze and camaraderie as our compass, we conquer hurdles, leaving an indelible mark on the race course. Together, we charge forth with unyielding resolve, crossing the finish line as champions. But beyond medals, our victory was etched in the bonds of brotherhood, growing stronger with each step taken. As we turn the page to new adventures, let the story of our victory serve as a testament to the power of unity, and the unbreakable spirit of SAE.

1



3



4

Pushers

Anna Engel
 Hashim Alsharaf
 Andrew Jiang
 Jorge Urias
 Evan Cen
 Brayden
 Morford
 Andrew Cho
 Bailey Williams
 Elizabeth Shaffer
 Aiden Dowd
 Susan Huang
 Nathan Brock
 Ethnan Pedro
 Garrett Schwan
 Tjaden Bridges
 Ellen Angwin
 Rachael Pratt
 Kathryn Giordano
 Marcus Wu
 Daniel Lin
 Charles Hu
 Matvey Malinovski

Emma Gelman
 John Liu
 Emily Song
 Alex Leung
 Alan Lin
 Maia Sprouse
 Cole MacSwain
 Jake Sherwindt
 Condredge Currie
 Zoe Hausner
 Maddy Falk
 Tjun Jet Ong
 Max Chandar-Kouba
 William Gao
 Erin Magid
 Markos Koukoularis
 Ale Bonacini
 Santiago Gomez
 Esha Mundra
 Mandy Li
 Nathan Amani-Luiru
 Sahana Patel



In SDC Buggy, we're proud to represent our dorm student community through the hard work, friendships, and fun we have together. We work with the mindset of continuous improvement and attention to detail, while bonding as a team and creating ever-lasting memories. We foster an innovative spirit while respecting and building upon the great contributions of our alumni before us. As our fellow insomniac would say, "May I never be complete. May I never be content. May I never be perfect."

SDC

Buggies

Avarice (2010)
 Bane (2011)
 Vice (2013)
 Inferno (2017)
 Lust (2024)
 Paranoia (2025)

Drivers

Elizabeth McBride
 Ezrin Flowers
 Lily Yang
 Kaylie Kim



We'd like to thank our amazing alumni including, but not limited to: Jeremy Tuttle, Annie Black, Matthew Garcia, David Rotunno, Wade Gordon, Alex Roman, Chris Goode, Alex Y, Anna Yu, Alex White, Suzanne Nie, Jeremy Dropkin, Molly Jane Browning, Josh Ayers, CSM, Michelle, Jake, GLong, Becca, Jacob Gruza, David Rotunno, Michael Darcy, Bill Vandermark, all alumni; our sponsor V12 Resole; Tera Monroe and SDC General Body; Sweepstakes; and our friends, fans, and supporters.

Leadership Positions

Chairmen
 Tin Chi Lo
 Aiden Cheng
 Om Patel

Head Driver
 Elizabeth McBride

Push Captains
 Daniel Lin
 Ace Engel
 Condredge Currie

Mechanics

Abigail Callaghan
 Charlotte Betz
 Cindy Fu
 Callaghan
 Charlotte Betz
 Cindy Fu
 Elaine Chen
 Grayson Wileman
 Henry Rosenhagen
 James Lopez
 Kaitlyn Pak

Katherine Horng
 Kevin Liu
 LanAnh Doan
 Lewis Rockwell
 Leyou Jiang
 Lucas Yi
 Matthew Nieto
 Michael Meng
 Paul Gonzalez
 Ron Aung
 Sean Lim
 Selina Liao
 Sophia Gu
 Teddy Chen

SIGEP

We are Sigma Phi Epsilon (or SigEp) racing! We're a Greek org with lots of passion and love for buggy (and donuts, we also have donuts). We're driven to perform the best we can while never losing sight of the point of buggy: fun and companionship. Our organization relies on trust and communication; we welcome all with open arms and allow our new recruits to play an active role in the operations of the team, whether that be pushing, driving, or being a mechanic. We will always have room for new team members, and we will teach you everything you need to know. So come join SigEp racing!



Mechanics
 Fernando
 Hammerle
 Kevin Murphy

Tyler
 Schweitzer
 Adam
 Bournes

Pushers
 Jai Shah
 Tejas Patel
 Jayson Shin

Drivers
 Mia Moto
 Selina Zhang
 Trish Nhan



Chairmen

Jai Shah
 Tejas Patel
 Fernando
 Hammerle

Buggies

Barracuda (2009)
 Hydra (2017)
 Kraken (2013)



Special thanks to:
Mark Estes, Duane Delaney,
and SigNu Alumni!



Leadership Positions

Chairmen

Dylan "The Maestro"
Bonanno

Chickens

Khurtsaa "Raw
Chicken" Batulga
Aaron "Yeah buddy"
Hernandez
Abhi "Butterfingers"
Kommineni
Nate "Smoke
Detector" Niera
Johanny "Ecuajoon"
Flores
Joon "Permageeked"
Heo
Anhad "Lightweight"
Singh
Krish "Viraj"
Suraparaju
Jesus "Cesar Millan"
Padilla-Munoz
Cole "Hunchback"
Schubert
Andrew "Studio" Chan

Sigma Nu is one of the only teams remaining that raced during Buggy's debut in 1920. In recent years, we have seen a massive improvement in our performance due to the hard work of previous chairmen, the continued support from alumni, and the introduction of our new buggy, Jaeger. We plan on continuing to develop the team and are excited to compete for years to come.



Buggies

Jaeger (2022)
Bungarus Krait
(2009)

Pushers

Nate "Galaga" Perez
Will "The Heckler"
Fleming
Dimas "To be continued"
Herrera
Justin "Canada" Lee
Chris "Type Shi" Nam
Colin "No nickname needed"
Sherlock
Viraj "The cook" Shah
Josh "Coxswain"
Wang
Vlad "Ecuallibro"
Yunda
Sam "Ecuabigbro"
Pfungsten
Evan "Out of swipes"
Sthulfire
Joe "McLostlin"
McLaughlin
Mani "Carter Bus"
Minerva
Liam "Now vertical"
McDowell



Mechanics

Luis "Mr.Hearthrob"
Hiero, Michael "Not
Walex" Kireeff
Zach "whatever
happens" Berger
Caleb "Timetrials"
Doan
Arth "Bhat" Gupta
Mihir "MiGone"

Drivers

Khare
Asher "Nerf Boy"
Kornfeld
Sam "Cadet" Curry

Alyssa "Spins" Zhu
Lian "The Sleeper"
Mellinger

SIGNU



Pushers

Kwame Asare
 Marissa Parris
 William Montague
 Benjamin Park
 Audrey Hasson
 Kenechukwu Echezona
 Ella Sanfilippo
 Nia Robinson
 Harshal Puranik
 Jeremiah Cochran
 Eric Lin
 Veronika Eber
 Elliot Li
 Kelly Mcdowell
 Juliette Brown
 Jasmine Zeng
 Mia Sanborn

Arno Zeldenrijk
 Jake Ballant
 Justin Hsu
 Sophia Famular
 Avi Wong
 Nanz Zhong
 Cat Ramage
 Colby Ohlund
 Zinachidi Achikeh
 Andres Lizardo
 Brianna Ajawuihe
 Adithi Phadke
 Alessandra DeLorenzo
 Karianna Bartley
 AJ Abels
 William Montague
 Jamari Toussaint



The team would like to thank Tom Felmley (HMFIC), Cherlisa Tarpeh, Maame Conduah, and the rest of Project Rebirth for their continual support. Additionally, we'd like to say a special thank you to General Robert Bowie and Matt Wagner for founding SPIRIT Buggy in 1985, and igniting this spark of a team. 40 years later, we race on, relentless, ablaze. NFJ!

Mechanics

Hannah Park
 Eddy Lei
 Mahathi Somula
 Amari Boxill
 Sidrisha Sarbajna
 Felix Lin
 Edward Gao
 Kelly Namara
 Zinachidi Achikeh
 Grace Daja
 Jade Sanchez

Rena Xu
 Kenny Huang
 Kajal Mehta
 Inseo Kim
 Irain Tang

Drivers

Natalie Sarabosing
 Nanz Zhong
 Cadence Ching
 Mei Xi Chia
 Emily Getty



SPIRIT

Leadership Positions

Chairmen
 Natalie Sarabosing,
 Adithi Phadke,
 Andrés Lizardo

Head
 Hannah Park
 Eddy Lei

Push Captains
 Juan Miguel Ageitos,
 Nele Koepfer

Build Lead
 Amari Boxill

Assistant Build Lead
 Mahathi Somula

Media & Design Chair

Kelly McDowell
Data Chair
 Cat Ramage

Head
 Hannah Park
 Eddy Lei

Mechanics
 Hannah Park
 Eddy Lei

Head Driver
 Nanz Zhong

Shop Manager
 Zinachidi Achikeh



SPIRIT Racing Systems, also known as "SRS" or "SPIRIT Buggy", is a group of multicultural students at Carnegie Mellon University. We are SPIRIT's buggy team, and we strive to bring inclusivity, pride, and excellence to the sport of buggy.

Buggies

Kingpin (2002), Seraph (2004), Mapambazuko (2011), Inviscid (2014)

CONGRATS MARCIA

We want to celebrate Marcia Gerwig as she celebrates her 40th work anniversary at Carnegie Mellon University. Her leadership was instrumental in the university center's expansion in 2016, and her efforts have extended the Cohon Center team's leadership and support to Simmons Auditorium and the Highmark Center. Marcia has quietly, but powerfully, impacted countless students, colleagues, and visitors, embodying the values and spirit of CMU in everything she does. The buggy community has personally benefited from her contributions. We asked her to reflect on her experience with buggy over the years.



SCHEDULE

THURSDAY	12:00-2:45 pm	Buggy Showcase <i>Highmark Center for Health, Wellness, and Athletics</i>
	3:00-3:30 pm	Spring Carnival Midway Opening Ceremony <i>Midway, The Cut</i>
	6:30-8:30 pm	Buggy Alumni Association Welcome Event <i>Cappy's</i>
FRIDAY	8:00 am-1:00 pm	Sweepstake Preliminary Races <i>Tech and Frew St.</i>
	4:00-5:00 pm	History of Buggy <i>Studio Theater, 1st Floor, CUC</i>
	7:00-9:00pm	Buggy Bash <i>Schatz Dining Room, 2nd Floor, CUC</i>
SATURDAY	8:00 am-12:00 pm	Sweepstake Final Races <i>Tech and Frew St.</i>
	4:30-5:45 pm	Spring Carnival Booth & Sweepstakes Award Ceremony <i>Wiegand Gym, 1st Floor, CUC</i>

I began working in Student Activities in 1985, when both the staff and student population were much smaller. My supervisor and I managed both Spring Carnival and Sweepstakes, two events that immediately fascinated me. Carnival was especially exciting for my young son—now, his daughters attend and enjoy it just as much. Every year, people are amazed by the detail, expertise, and creativity in the student-built booths, as well as the engineering marvel of the buggies—especially when they realize there's actually a person inside!

What First Drew Me to Buggy?

Buggy pulled me in right away. The mix of engineering, competition, and sheer adrenaline was unlike anything else. The Buggy Design Competition used to be held right near our office, so we never missed a thing. Students were constantly coming in and out, bringing their plans, challenges, and boundless enthusiasm. It was impossible not to get caught up in their energy and dedication. Over the years, Buggy became more than just another campus event—it became a tradition I wanted to support however I could.

The Biggest Changes Over the Years

Buggy has evolved tremendously. Advancements in materials, wheel technology, and training methods have completely transformed the sport. Filming technology has also changed the way races are documented and analyzed. But at its core, Buggy remains the same—a test of innovation, teamwork, and strategy.

My role has shifted over time to support these changes. One of the most unexpected ways I became involved was driving the lead truck. Originally, the previous Sweepstakes chair would return to drive, but one year, that tradition was broken—and I was asked to step in. I was nervous at first, but I had plenty of "helpful" student advice:

"Slow down! Stay close for filming. When we bang on the truck, go faster—no, even faster! Wait, not that fast! Get out of the way at the finish line so the buggies and follow truck have space. Let the follow truck back down the hill, but not too soon! Move fast down the first hill, but not too fast—we're filming back here!"

And then? We'd do it all over again. And again. I got very, very good at driving in reverse.

What Makes Me Most Proud?

I drove the lead truck for 10 to 12 years before finally deciding to retire—proud that, in all those years, I never ran over a buggy or a spectator! But beyond that, the most rewarding part has been supporting the students and helping to keep this tradition alive. My work was often behind the scenes, but seeing teams succeed and knowing I played a small role in that success has always made it worth it.

As time has passed, my focus has shifted indoors as events in the Cohon Center have grown. But every year, when Sweepstakes rolls around, I still feel that same excitement. And still, after all these years, I find myself amazed—because, yes, there really is a person inside that speeding buggy.

SUPPORT ORGS



W3VC is the invaluable team of radio experts that keep rolls running smoothly throughout the year. This team of hardworking individuals makes sure the course is clear and reports any problems to Sweepstakes.



The Carnegie Mellon Buggy Alumni Association was founded in 2008 after it became clear that there was both a need and an interest in an organization centered around buggy for all members of the buggy world, past and present. They help preserve the history of the sport and keep alumni connected and in the loop!



Carnegie Mellon University EMS provides 24/7 emergency medical response to the Carnegie Mellon campus community and surrounding areas, as well as medical standby support to CMU organizations as needed for major events (like buggy!). EMS is proud to be in the chute standing by every rolls day! Remember to call 412.268.2323 in case of emergency.



cmuTV is the student-run television station of Carnegie Mellon University. They bring together all of the video footage of Sweepstakes including the live stream, Raceday videos, team profiles, and behind-the-scenes footage of Buggy.



A non-commercial freeform radio station hosted in the basement of Carnegie Mellon's University Center, WRCT broadcasts interviews as well as Raceday coverage during the buggy races.

SPECIAL THANKS

Sweepstakes Advisor
Stacie Gardner

Alumni Relations
Laurel Bosshart Furlow Tim Leonard
Anne Witchner

Buggy Alumni Association
Jeremy Tuttle
Rachael Schmitt
Rob Siemborski
Diya Nuxoll
Matt Gallabrese
Wade Gordon
and all other alumni who have helped support buggy this year!

Judges
Isabel Vala (Head)
Harry Ren (Asst.)

Buggy Showcase Judges
Vincent Sokalski
Wayne Chung
Rebecca Taylor
Ed Wojciechowski
Nath Akella
Diya Nuxoll

Carnegie Mellon EMS
Carnegie Mellon Police
City of Pittsburgh EMS
City of Pittsburgh Police
City of Pittsburgh Special Events Committee
cmuTV
WRCT
W3VC
Emily Buchholz
Environment Health & Safety
Linda Hancock
Pheonix Sport Technology
Vertical Access Solutions
Viewpoint Production
Pro-Lit Lighting & Scenery, Inc.
Spring Carnival Committee
SLICE

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