

ABOUT US

The intention of **Circuit Speed Dating** (CSD) is to create a guided environment for IEEE members to get hands-on with popular hobbyist circuits. Biweekly, members of the CSD sub-team within the P&W committee select, prototype, and create info-flyers for their circuit demos.

Circuit Speed Dating launched Oct 2025, so naturally we have a long and exciting journey ahead of us, and lots of improvements planned!

If you have feedback and suggestions regarding CSD, or if you're interested in joining P&W committee and one of the sub-teams we have to offer, **please use the QR code below!**



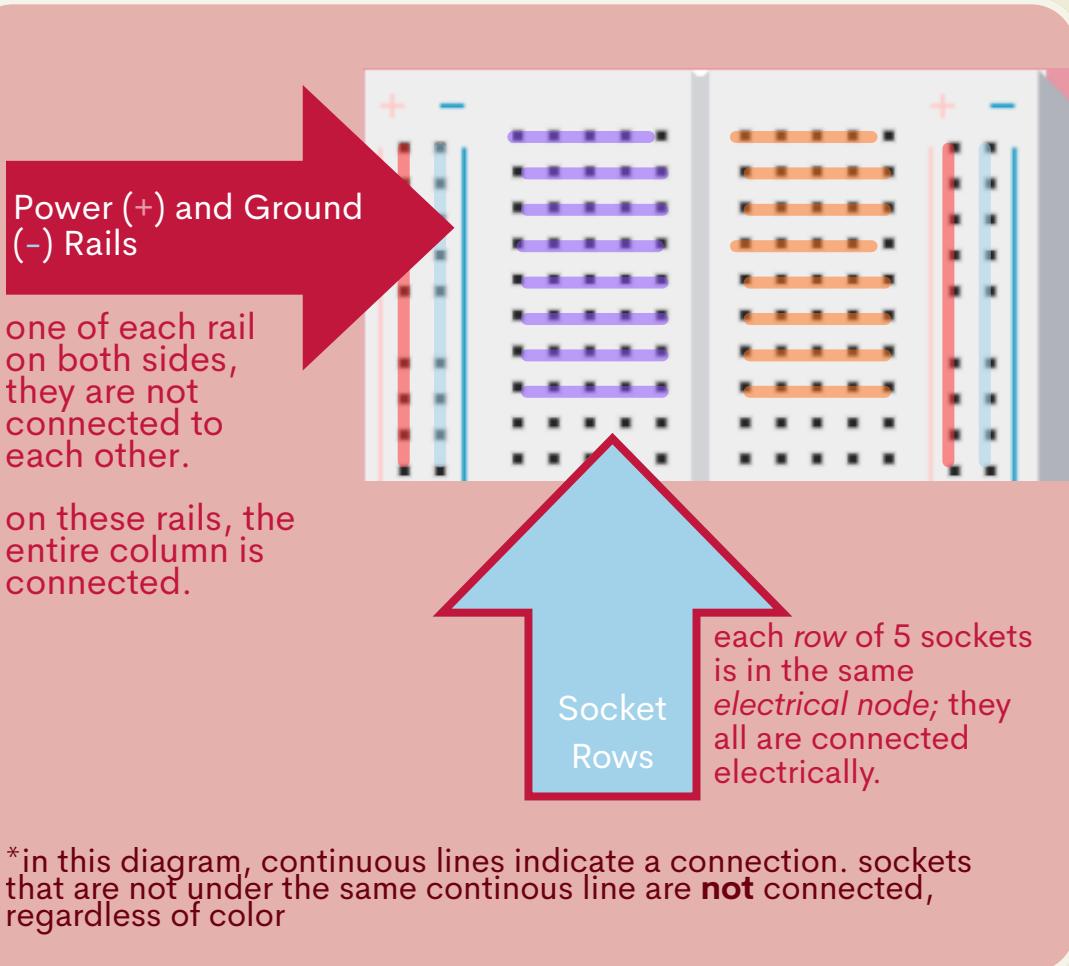
WELCOME TO

CIRCUIT SPEED DATING



Presented by the
Project & Workshop Committee of
 **IEEE**
UNIVERSITY OF HOUSTON

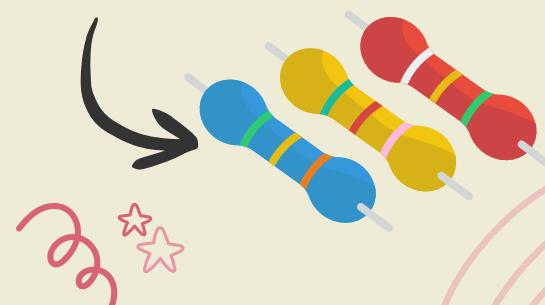
BREADBOARDS & COMPONENTS



	Diode
	Capacitor
	Inductor
	Resistor
	DC voltage source
	AC voltage source

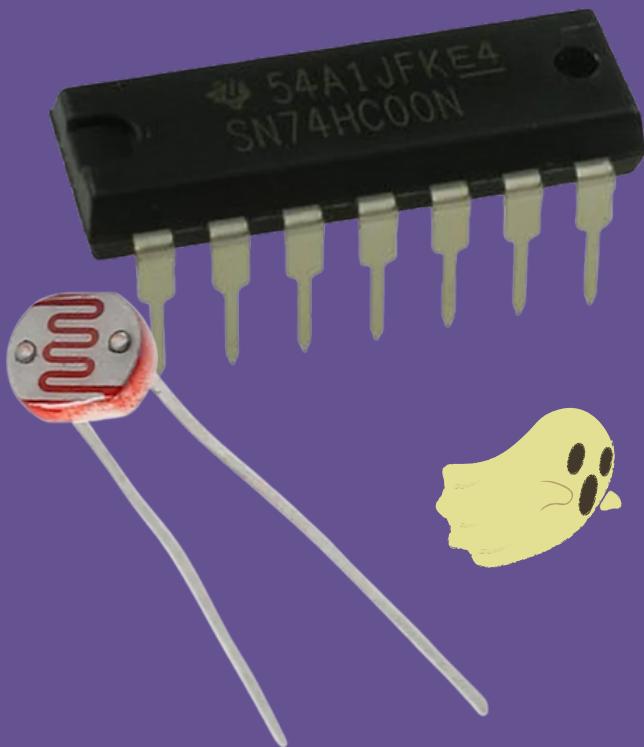
caution! current will **not** flow through a component if both terminals are connected to the same node!

@Das_Nami RIZZistor 😊

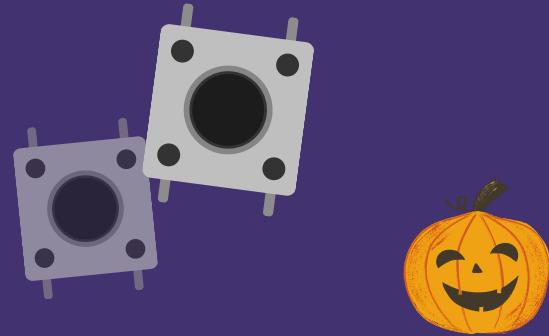


74HCXX LOGIC GATES

By Phuong Nguyen



It's alive! (...if $V_{cc} > 4.5$ V)

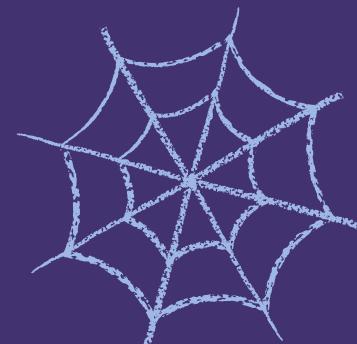


74HCXX NAND and NOR
Chips

LED Paintbox with
Potentiometers

NPN & PNP Transistor Logic
Gates

Audio Power Amplifier and
Speaker



CIRCUIT SPEED DATING

Week 2

Oct 29 2025



LED PAINTBOX

By Hussein Ghacham

Control RGB lights!



NPN & PNP GATES

By Sharon Obaisi

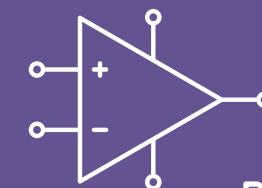


The spooky switches
inside of ICs!



AUDIO OP-AMP

By Nam Nguyen

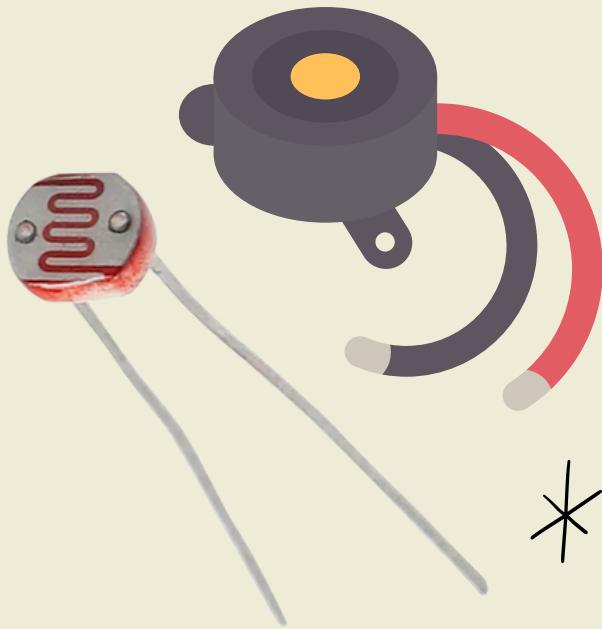


Plug your phone
into a DIY speaker...
if you dare...



LIGHT- REACTIVE BUZZER

by Sharon Obaisi



THIS WEEK:

LIGHT-REACTIVE BUZZER

DANCING LIGHTS

MOTOR FAN

MUSIC-REACTIVE LIGHTS



SPEED-DATING CIRCUITS

WEEK 3 | NOV 11 2025



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DANCING LIGHTS

by Hussein Ghacham
&
Omar Escobar

