

# Slideshow Narrative

This slideshow is shown chronologically as we visited a variety of different locations:

- ◆ Sand's Expo Center - Jan 7 - 10:00am
- ◆ Eureka Park innovation floor
- ◆ TriNet . . . first booth
- ◆ Presentation stage
- ◆ 3D Forensic sketch
- ◆ First drone (around the corner)
- ◆ age progression me (show pics)
- ◆ Toys for kids
- ◆ Samsara smart luggage
- ◆ Tracking tags
- ◆ Fingerprint security dongle
- ◆ First robots that we encountered
- ◆ Berger's home fragrance devices
- ◆ French greenhouse w/ solar panels
- ◆ Grow your own veggies inside
- ◆ Overview of Eureka Park

- ◆ Smart pet sliding door opener
- ◆ Crowded aisles between booths
- ◆ Oral hygiene (whole mouth wash)
- ◆ ClearUP sinus pain relief
- ◆ Smart garage camera w/ iPhone
- ◆ related products
- ◆ zLight box night light alarm
- ◆ Vortex lighted keyboard demo
- ◆ Heal-ium from Columbia -see feelings
- ◆ Mental workout for dogs
- ◆ HomeSirens using iPhones
- ◆ Intelashelf -portable adj shelf
- ◆ The ChopBox and more cool stuff
- ◆ Smart Potato from France
- ◆ OHsnap iPhone grip & stand
- ◆ PAWAmini 1-time chemical chargers
- ◆ First blockchain fashion watch face vendor
- ◆ Automatic kitty litter box
- ◆ Smart lights - no hub required
- ◆ Lighted smart light switch
- ◆ Know headphone & earbud vendor

- ◆ Lightyear One electric car
- ◆ PREVIEW app - recheck incoming calls
- ◆ ODDbot weed extractor robot (upper rt)
- ◆ RYTHMmo sound generator
- ◆ Acouva personalized sound earbuds
- ◆ Combo quadcopter/airplane surveyor
- ◆ Pet walker from Hanseo University
- ◆ Aura Strap with bioimpedance tech
- ◆ Kakao Friends tech for children
- ◆ PicoBrew Bar make your own beer
- ◆ everything needed right here
- ◆ Wi-Charge, chargers everywhere
- ◆ LifeSmart interactive lights modules
- ◆ - - -
- ◆ Big trailers for oral health & razors
- ◆ c/net . . . one of many broadcasters
- ◆ SANDS EXPO front entrance
- ◆ Skyworth among big TVs
- ◆ Insta360 surround camera
- ◆ Cool retro speakers
- ◆ Express Luck video from man sources

- ◆ Pinball on HUGE horizontal digital screens
- ◆ Logitech using Blue branded mics
- ◆ Gymbal iPhone/camera/GoPro handles
- ◆ OMRON robotic arms & devices
- ◆ Kyocera AI cameras and innovation
- ◆ Segway motorbikes (more to come)
- ◆ Segway—>Ninebot mobility device
- ◆ Segway 3-wheel mobility chair
- ◆ Segway 2- & 4-wheel scooters
- ◆ Segway 4-wheel all-terrain vehicle
- ◆ Segway Villain SXS 181-HP hybrid: \$28,000
- ◆ John Deere 120-ft boom sprayer: \$500,000
- ◆ OMRON laser-etcher and robotic-arm
- ◆ - - -
- ◆ Entering drone territory
- ◆ Nutel solid-body drone flying
- ◆ - - -
- ◆ Robotic placement of objects in packaging
- ◆ Electronic Lego-like assemblies of toys
- ◆ UB-TECH small vehicles & robots
- ◆ Large luxury boat full of technology

- ◆ T9 synchronized robot group in action
- ◆ - - -
- ◆ Robosen T9 display (see Transformers?)
- ◆ Video-face robotic house helpers
- ◆ Bigger robotic house helper from Hancom
- ◆ Another robotic helper with video face
- ◆ Hancom FireSite drone fire detector
- ◆ E-SHOCK interchangeable-top shuttle base
- ◆ FYLO EDU drone swarm groups
- ◆ Drones doing many incredible formations
- ◆ - - -
- ◆ Close-up of individual swarm drone
- ◆ Mobile advertising robot
- ◆ Cute female video face home robot
- ◆ Protected-propeller foldable drone
- ◆ Six interesting figures sitting atop AI sign
- ◆ Future Go self-balancing rugged transporter
- ◆ anyone can ride this thing (like Segway)
- ◆ shown in the mountains — is it a hiker?
- ◆ iSteady Pro gymbal for phone or camera
- ◆ works very nicely with an iPhone

- ◆ Interactive device to help elderly communicate
- ◆ DeepRoute.ai full-stack self-driving system
- ◆ Using drones for forestry management
- ◆ Doosan robotic arms display
- ◆ Mobvoi TicWatch GPS/bluetooth/heart sensor
- ◆ TicPods 2 Pro wireless earbuds (1 of many)
- ◆ TicHear & TicMotion control earbud functions
- ◆ OMRON is back playing table tennis vs. humans
- ◆ DJI back in big way in the drone area
- ◆ overview of DJI multi-booth area
- ◆ very crowded DJI display area
- ◆ Heard of Blaupunkt? -speakers, dashcams
- ◆ Casery watch bands & case
- ◆ elegant cross-body phone pocket
- ◆ earbud holders and tech luggage
- ◆ cool accessory bags
- ◆ Amazfit (huge screen front of treadmill)
- ◆ J5create USB-C modular connection kit
- ◆ Ridel small electric bicycle
- ◆ PopSocket phone holder & charger booth
- ◆ ElementCase rugged cases for all phones

- ◆ case exchange — transparent back
- ◆ Next door: cases, chargers, selfie-sticks, more
- ◆ Carolina Wholesale: office supply resellers
- ◆ Case swap from a different competing company
- ◆ Yet another case swap from iFace
- ◆ Merkury LED lamps, sockets & power strips
- ◆ Epilog wood engraver machine (see Aztec calendar)
- ◆ RAM Mounts on Roamr Jeep Gladiator Tomahawk
- ◆ GO Power foldable electric bike
- ◆ Epilog Laser display stand
- ◆ US Postal Service mail box contest
- ◆ Interesting watches from VivoMove
- ◆ Big booth from Garmin GPS systems
- ◆ Traeger wood-fired grill on motorcycle sidecar
- ◆ SeeSee wood pellet grill on Indian
- ◆ iHome radios, speakers, aroma/sound therapy
- ◆ Fiat 500 on display
- ◆ iWorld headphones, cases, much more
- ◆ ALLSOP fabric lamps and GLOW lights
- ◆ Nest XL earbud holders, cleaners, mice
- ◆ ACTek wireless bone-conduction headphones

- ◆ TWS bluetooth earbuds, mousepad, charger
- ◆ 3D printer colorful lady
- ◆ intricate 3D printer single-filament designs
- ◆ 3D scanner and printer printer (one of many)
- ◆ Einscan Shining 3D scanner (rotating table)
- ◆ SNAPmaker 3D printer with multi-color filament
- ◆ SNAPmaker CNC carving on same 3-in-1 unit
- ◆ 3D printed products of various size & detail
- ◆ Anet UV curing liquid resin 3D printer
- ◆ daVinci XYZ Color mini inkjet on white filament
- ◆ incredible winged figure from multiple prints
- ◆ Creality 3D printer maker looking for dealers
- ◆ very imaginative village of grey 3D printed items
- ◆ WEMO & Belkin HomeKit compatible devices
- ◆ PHYN smart home water monitoring systems
- ◆ Polaris Ranger 570 utility ATV with mounted iPads
- ◆ Vietnamese exhibit of wireless chargers and more
- ◆ colossal **LG OLED Wave**: 200 55-inch LG OLED digital signage screens (128 convex & concave plus 72 flat) measuring 20 feet high and 82 feet wide — immersive experience

- ◆ - - -
- ◆ LG DualScreen smart phone (hinged in middle)
- ◆ close-up view of LG phone
- ◆ LG refrigerators and stove
- ◆ interior of LG refrigerator
- ◆ array of LG vacuum cleaners (like a Dyson)
- ◆ LG washer & dryer \$2,500 / pair
- ◆ LG CLOi (CLEver Operating Intelligence) robot
- ◆ LG CLOi robotic cleaning system (Alexa friendly)
- ◆ Walking through LV Convention Central Hall to  
Panasonic
- ◆ Deloitte made presentation about smart future  
technology
- ◆ Evening entertainment, dinner next to World Famous  
Pawn
- ◆ Evening view outside of our Wyndham Desert Inn  
window
- ◆ Island of food & refreshments in LV Convention  
Center South
- ◆ Pop electric pulse massager from Dr. Music

- ◆ Massage chair relaxation (like my Pegasus unit at home)
- ◆ LIONESS vibrator - 2019 best-in-class award debate
- ◆ REDUIT **precision**-based hair care system
- ◆ CRAVE Pleasure Factory (part of new section)
- ◆ X Off Road electric bikes, scooters & drift trikes
- ◆ Super Ride Self Balancing electric Unicycle
- ◆ Clearon Deep Tissue Muscle Gun Massage for Athletes
- ◆ Circuit Scribe Drone Builder Kit (only \$59.99)
- ◆ Speekly smart translator (seen though-out booths)
- ◆ AIO bell.ai innovative kids educational toys/systems
- ◆ Gladiator robots competing for dominance
- ◆ Smart watches were very popular everywhere
- ◆ BiC . . . [nextBICthing.com](http://nextBICthing.com) . . . razor research
- ◆ a razor gift to get people involved in research
- ◆ PHONEsoap smartphone charger & UV sanitizer
- ◆ Tiger&Rose ergonomic fashion earbuds
- ◆ Wecan toys on left, Tiger&Rose earbuds on right
- ◆ Keyi Tech ClicBot modular robots for STEM learning
- ◆ Sleep Number 360° Smart Bed different pressure

- ◆ Chili Technology chiliPad for different temperatures
- ◆ Sleepace light, monitoring, bedding, aroma, sound
- ◆ 10Minds Motion Pillows anti-snoring air pump adj
- ◆ iRest evolution of massage chairs . . . 2003-2019
- ◆ Maison Berger Paris fragrance sampling bell caps
- ◆ Ampere all-device chargers are amazing
- ◆ Larry and Chris from Other World Computing
- ◆ Brian from Brydge cool accessories
- ◆ Airpulse - one of many speaker displays
- ◆ Vmate gimbal iPhone stabilizer
- ◆ Brydge booth, quite expansive
  - ◆ Brydge 12.9 Pro+ keyboard with touch pad
  - ◆ Brydge MacBook Pro dock
- ◆ X-Chair with lumbar and neck supports
- ◆ Curtis speakers and sound systems
- ◆ Energizer batteries nested among sound booths
- ◆ CreateLED monster TV with eye-catching cubes
- ◆ Formula 1 racing car grabbed lots of attention
- ◆ Jetson mobility - scooters
- ◆ Bower photography tripods/lights/more
- ◆ Speakers of every size, color, type for sale

- ◆ Crosley gorgeous multi-color jutebox
- ◆ Crosley promotion truck
- ◆ Sharper Image & others with TVs, sound
- ◆ SONY's huge area was overpowering
- ◆ Ghostbuster's actual car showing moviemaking
- ◆ Sony Vision-S electric car
- ◆ Sony 98" 8K HDR - only \$75,000
- ◆ Kitchen of the future
- ◆ Hanging and embedded plants everywhere
- ◆ Stove, storage and innovative sink
- ◆ Live plants embedded in counter splash-back
- ◆ Samsung also had a huge area of displays
- ◆ THE WALL - 25' wide immersive display
- ◆ Made up of re-arrangeable panels
- ◆ Its called resolution free & bezel free
- ◆ - - -
- ◆ The Serif showed how to make cardboard items
- ◆ The Prame X V&A is a image scanner (see right)
- ◆ VOXX International automotive control systems
- ◆ Sharp 30" Flexible OLED and transparent TVs
- ◆ eyeLock is all about Facial & Iris Recognition

- ◆ Sharp 120" 8K LCD display
- ◆ Panasonic massive audio & TV displays
- ◆ Walking between Central & North Halls
- ◆ Aston Martin's Formula 1 racer
- ◆ See Pete at Beyer Dynamics at Westgate
- ◆ Kia Niro EV fully-autonomous electric car
- ◆ Entrance into North Hall Vehicle Technology
- ◆ Honda Modulo street racer w/ Kenwood sound
- ◆ Toyota Scion iQ EV tiny electric car (like my Fiat)
- ◆ Fiat 500 with Key Technologies Kicker sound
- ◆ Full-dress Harley with custom sound systems
- ◆ 1928 Hudson Essex Super Six w/ MTX Audio
- ◆ 2019 Polaris AZA Turbo S w/ MTX Audio
- ◆ 2019 Ford Super Duty pickup w/ MTX Audio
- ◆ You saw the front, this is the back & bottom
- ◆ ZF Mobility Life Balance autonomous see-thru van
- ◆ ZF Next Generation Mobility see-thru sedan
- ◆ Mercedes-Benz VISION EQS electric car concept
- ◆ Mercedes AVATAR electric ... can drive sideways
- ◆ Hyundai S-A1 air taxi prototype - seat 4, 180 mph
- ◆ Electric, pods, parachute, 60 mile range, UBER

- ◆ Robosense LiDAR sensor systems on sporty sedan
- ◆ ACEinna OpenIMU sensing systems for autonomous
- ◆ Toyota e-Palette autonomous electric delivery robot
- ◆ Toyota LQ electric concept car & woven city
- ◆ Electric charging tower and arm for electric cars
- ◆ Velodyne Lidar self-driving sweeper &
- ◆ Knightscope security robot mobile eyes & ears
- ◆ Toyoto's electric vehicles/scooters/chairs/shopboard
- ◆ Velodyne Lidar's autonomous shuttle
- ◆ Honda Augmented Driving Concept car (back view)
- ◆ Bell Nexus 4EX air taxi (electric or hybrid)
- ◆ Second year at CES, 4 ductfans, prev 6
- ◆ Honda Augmented Driving Concept car (front)
- ◆ Honda ESMO mobile swappable power pack
- ◆ Part of Honda Energy Management Concept
- ◆ Honda Civic cut-away to show construction
- ◆ Honda Odyssey family mini-van
- ◆ Byton M-Byte w/ 48" dashboard screen
- ◆ Cadillac XT-6 with ZeroLight digital shopping
- ◆ Mahindra Formula E electric race car
- ◆ AISIN Group i-Mobility Demonstration Vehicle

- ◆ All electric, data collection, sensors, monitoring
- ◆ AISIN personal mobility device: ride/pull/shop
- ◆ Portable people transport with inside entertainment
- ◆ Bell air taxi miniature drones flying/landing bldgs
- ◆ Another industrial drone hanging above vehicles
- ◆ Honda Goldwing 6-cyl 7-speed automatic DCT
- ◆ 2020 Honda HR-V with Wind River driving sensors
- ◆ 2020 Chrysler Pacifica autonomous driving sensors
- ◆ Audi Intelligence Experience e-tron empathic car
- ◆ Audi AI:ME futuristic autonomous concept car
- ◆ Nissan Ariya Concept electric ice cream van
- ◆ JLD Audio giant sound woofers
- ◆ 2020 Land Rover Defender luxury all-terrain SUV
- ◆ AMAZON - “the future of automotive retail”
- ◆ RIVIAN R1T electric pickup with Amazon Alexa
- ◆
- ◆ Gorgeous pickup, made Normal IL, \$75,000
- ◆ Storage front/back/under, 100K van ordered
- ◆ Inside navigation screen, voice-control all
- ◆ 2020 BMW Series-3 sedan with inside tech
- ◆ SharingOS e-scooter, e-bike, e-chair rentals

- ◆ Neo OBD diagnostic system for electric vehicles
- ◆ UVeye assembly-line vehicle inspection w/ Fiat 500
- ◆ MCNEX shows automotive safety technology
- ◆ Pegasus E-Class Flying Car from Australia
- ◆ Doosan Bobcat T76 compact track loader
- ◆ Lamborghini RWD Huracan EVO w/ Alexa
- ◆ Jeep Rubicon Gladiator w/ Midland radio
- ◆ Toyota Woven City Theater immersive experience
  - ◆ Build 175-acre site at base of Mt. Fuji in Japan
  - ◆ . . .
- ◆ Klipsch T5 noise-cancelling wireless earbuds \$299
- ◆ Photo above the Nikon photography display area
- ◆ Samsung Sero 43" TV rotates 90° for Gen-Z users
  - ◆ . . . Samsung's THE WALL 292" 8K MicroLED TV
  - ◆ constructed with 64 modules: over \$150,000
- ◆ Haier Group is China's largest consumer electronics & home appliance producer
  - ◆ with 40 of its revolutionary smart home . . .
- ◆ Modobag portable rideable WiFi smart luggage
- ◆ Targus wireless charging backpacks
- ◆ Sanho HyperDrive USB-C hubs - MacBook/iPad

- ◆ TINGZ power banks, tiny speakers, cases, chargers
- ◆ Feihe Electronics electric fan colorful clocks
- ◆ YODA (short for Japanese co name) phone/tablet
- ◆ SNOPPA Vmate 3-axis gimbal for iPhone
- ◆ Final look around the booths of lower South Hall
- ◆ . . .
- ◆ Walking out of the Las Vegas Convention Center
- ◆ A look outside as we walked to the Lyft Lot
- ◆ This is what be brought back in a spare luggage
- ◆ *(some of these items will be shown a bit later*
- ◆ *and some will be given away after the break)*

This is the end of my slideshow of CES images!!!

