



2022 Annual Meeting

TIAA Annual Meeting May 19, 2022 -- Agenda

Opening Comments & Introduction of Speaker Debi Heaton

* BEST Robotics Steve Marum

TIAA Update
 Debi Heaton

Nominating Committee Report
 Larry James

Election of Officers
 Members

Concluding Remarks
 Debi Heaton



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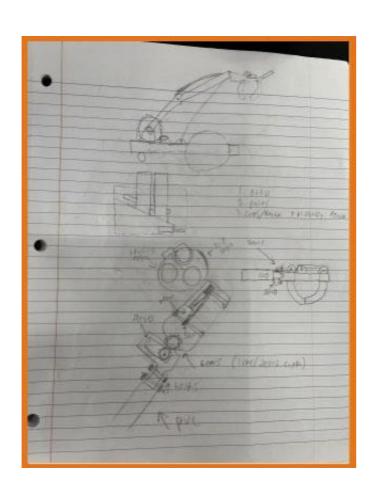


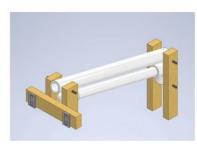


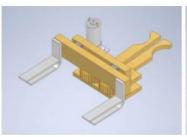
Is it a sporting event?



Is it an engineering challenge?







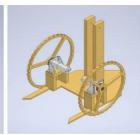


Figure 12 – 4-Bar Arm

Figure 13 - Forklift & Gripper

Figure 14 - Base Design

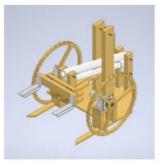






Figure 16 - Gripper Design

Or maybe a programming challenge?

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(Figurational State of State (1, 8, 10 pt) (8 (September 10 (1d) | Igningtation (per)) (
 enterior(pipoletar, 40);

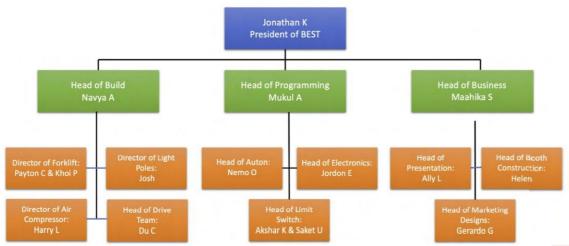
) clar if(year(setermigical); 7, 500 (500))) (

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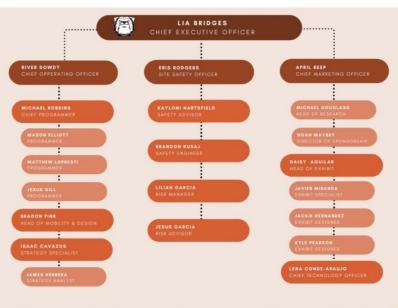
```
while(1 == 1) {
 //Driving Motor Control
 motor[leftMotor] = vexRT[Ch3];
 motor[rightMotor] = vexRT[Ch2];
 //Arm Control
  if(vexRT[Btn6U] == 1){
   motor[armMotor] = 100;
  else if(vexRT[Btn6D] == 1) {
   motor[armMotor] = -80;
  else{
   motor[armMotor] = 15;
  //Gripper Control
  if(vexRT[Btn5U] == 1) {
    motor[clawMotor] = 127;
  else if(vexRT[Btn5D] == 1) {
   motor[clawMotor] = -127;
  else{
   motor[clawMotor] = 15;
```

Figure 24 - Driver Control Program

Perhaps it's a business simulation?







BEST is all of the above!



Founders – Retired Tiers Ted Mahler and Steve Marum

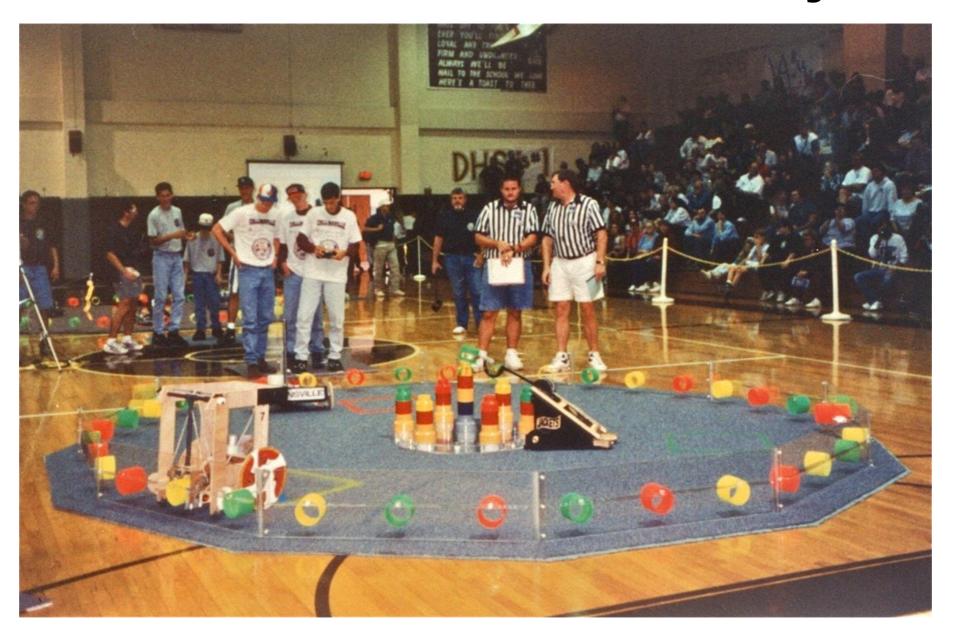
□ Engineers Week, February 1993...

- □ Engineers Week, February 1993...
- □ The Sherman Site Management team...

- □ Engineers Week, February 1993...
- □ The Sherman Site Management team...
- □ Now what!?!



Our First Game: PVC Insanity



BEST Games through the Years

1993 PVC Insanity

1994 Bumble Rumble

1995 TOTALly AweSUM

1996 Block'n Load

1997 Dynamite Duel

1998 Toxic Troubles

1999 Rocket Race

2000 Pandemonium in the

Smithsonian

2001 RAD to the Core

2002 Warp X

2003 Transfusion Confusion

2004 BEST Fever

2005 Mission to Hubble

2006 Laundry Quandary

2007 2021 – A Robot Odyssey

2008 Just Plane Crazy

2009 High Octane

2010 Total Recall

2011 Bugs!

2012 Warp XX

2013 Gatekeeper

2014 Blade Runner

2015 Pay Dirt

2016 Bet the Farm

2017 Crossfire

2018 Current Events

2019 Off the Grid

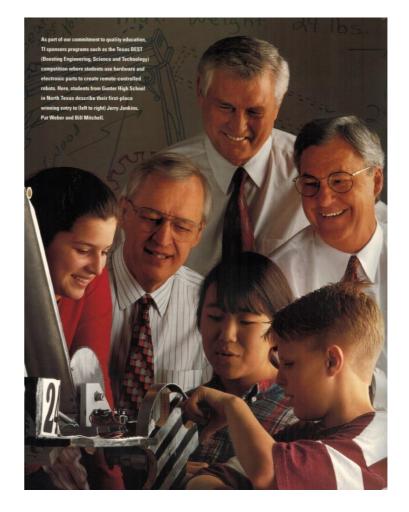
2020 Outbreak

2021 Demo Daze

2022 Made2Order

TI Involvement

- TI has been involved from the very beginning
- TI supports many local competitions Hubs
- TI supports the Texas BEST regional competition
- Hundreds of Tlers and retired Tlers have helped over the years



From TI 1995 Annual Report

□ Covid ⊗

- □ Covid ⊗
 - BEST changed to a single-team classroom format

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 - Still, we lost ground
 - Some teams dropped
 - Some hubs went into "hibernation"
 - Some hubs may have disbanded
- We have some catching up to do!

Benefits to Volunteering

- □ Fun!
- TI will donate to BEST based on your hours
- If you are a team coach, TI will give your team a \$750 grant
- That "feel good" feeling at the end of the year

Links

- www.bestrobotics.org
 - "Hub Contacts" has links to all the hubs
- www.ti.com/giving
 - Has information on the grants

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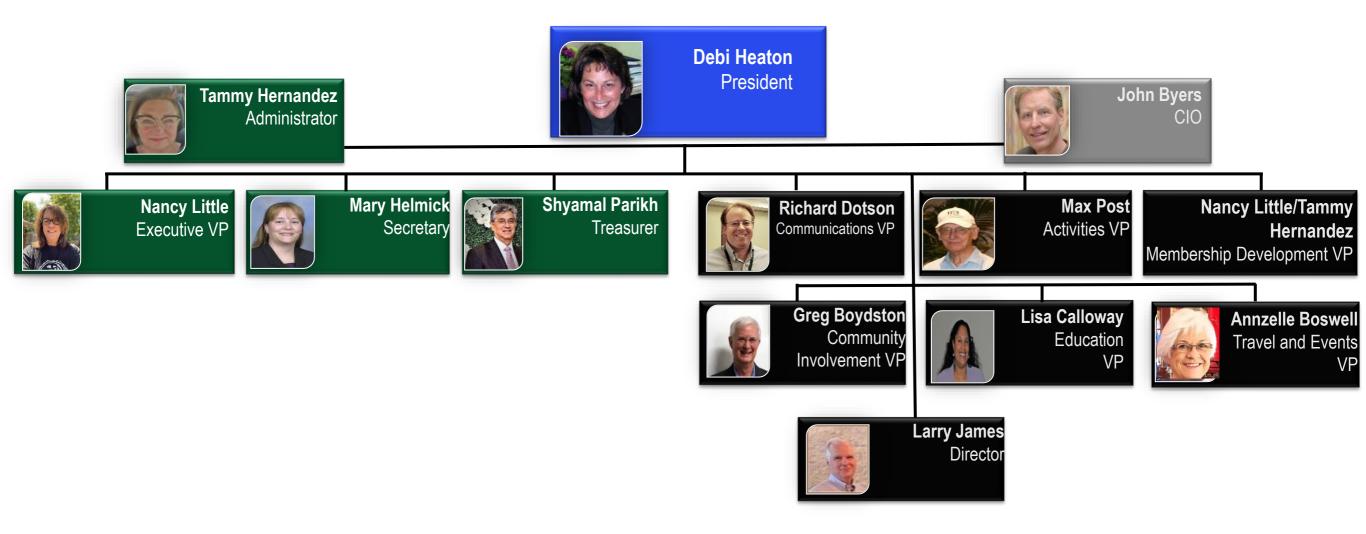
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Texas Instruments Alumni Association







COVID Challenges

The last three years have been challenging for everyone, including TIAA – we take guidance from TI and The Senior Source regarding what types of activities should be conducted. TIAA is ramping back up to normalcy.

Activity	2019	2020	2021	2022 YTD & Planned
Travel Trips & Events	16	2	5	10
Community Involvement	15	7	7	15
Educational Seminars	5	1	1	2
Luncheons	2	0	0	1

* TIAA's Leadership Team voted to again extend members expiration dates by one year in 2022 since we are offering limited activities. That also means that any new members joining this year receive two-years free membership instead of just one.



TIAA 2019 Financials – last normal year

Income - \$101.1K

Expense - \$103.6K



TI provided 82% of TIAA funding in 2019

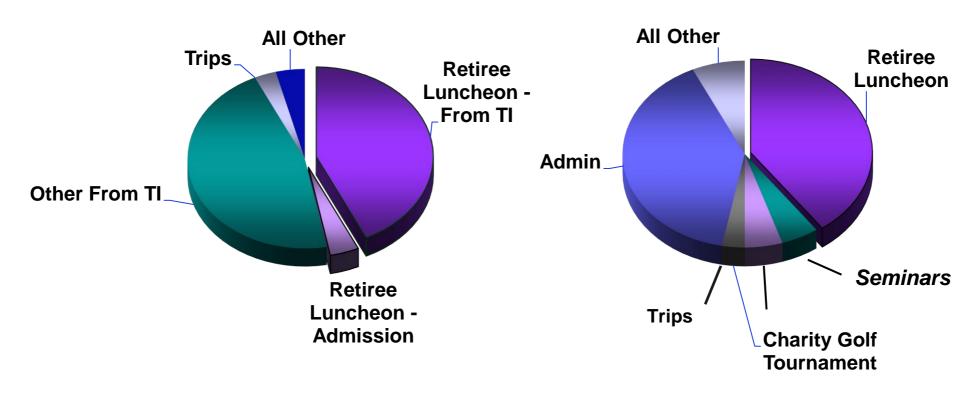
12/31/19 Fund Balance = \$91.1K



TIAA 2022 Budget

Income - \$92.5K

Expense - \$97.7K



90% of TIAA funding is from TI

1/1/22 Fund Balance = \$196.3K



TIAA Membership

Type	Apr 2021	Apr 2022	% Total
Annual	779	831	48%
Lifetime	<u>910</u>	<u>903</u>	<u>52%</u>
Total	1,689	1,734	100%



2021 Virtual Activities

- May 20, 2021 TIAA Annual Meeting
- October 19, 2021 Virtual Health Benefit Seminar provided by Via Benefits



Crossroads Community Services Serving the Hungry July 20, 2021







Dallas Ramps October, 2021





TIAA Volunteers Build and Donate Equipment to Help Special Olympics Athletes Compete













Future Planned Volunteer Activities

UNT NITA Mock Trial
 June 10

Senior Source Fan Distribution
 June 22 & July 23

Computers for the Blind
 August

Crossroads Community Services
 September

Dallas Ramps
 October 11

Readers2Leaders
November

Faith and Grief Memorial Arch
 November 29

❖ Annual Joint TI/TIAA Virtual Volunteer Event November

Meals-on-Wheels Gift Wrap

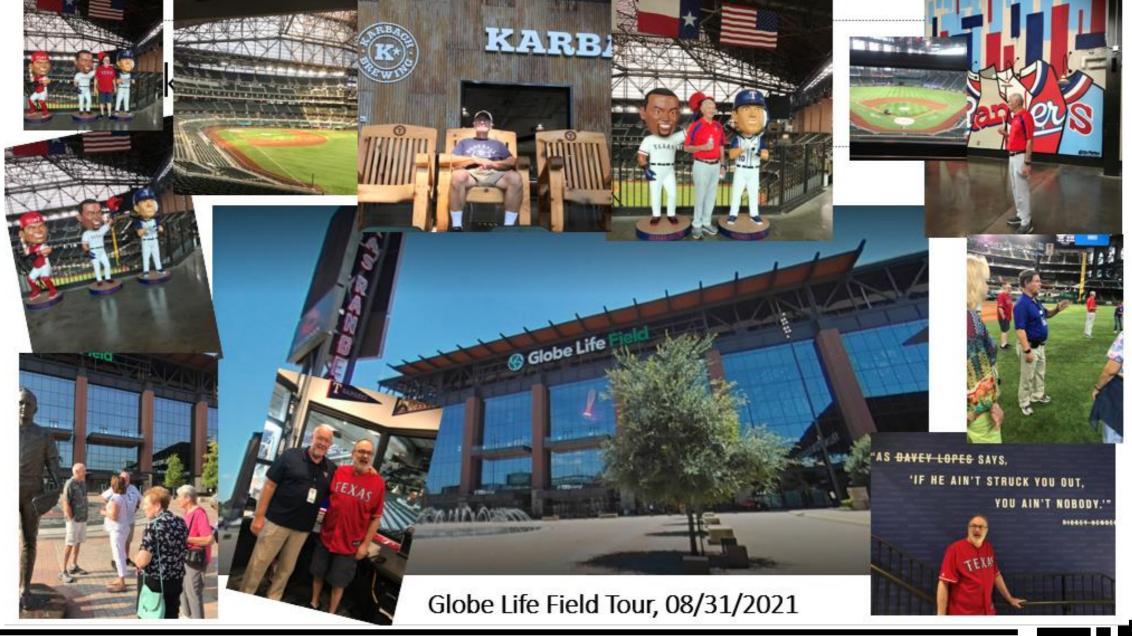
December

Volunteer Luncheon
 December 15





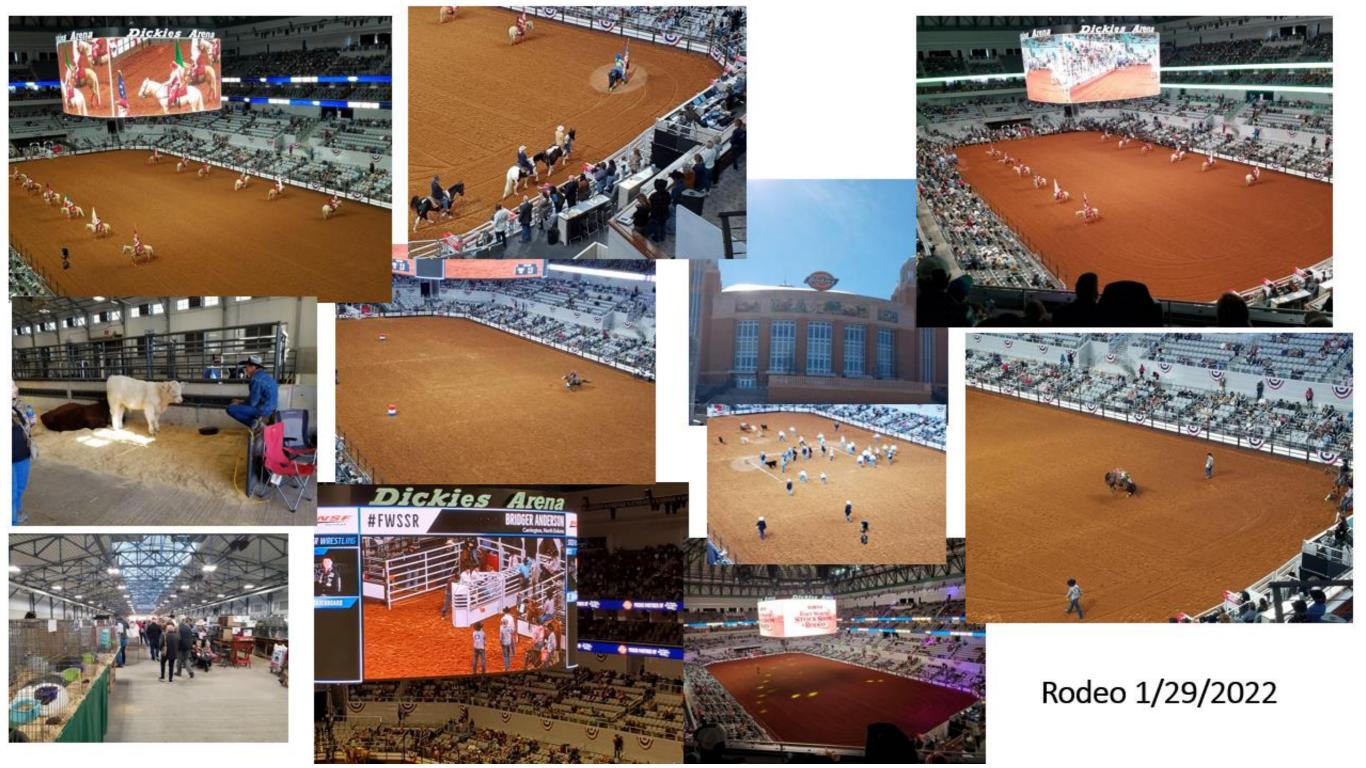


















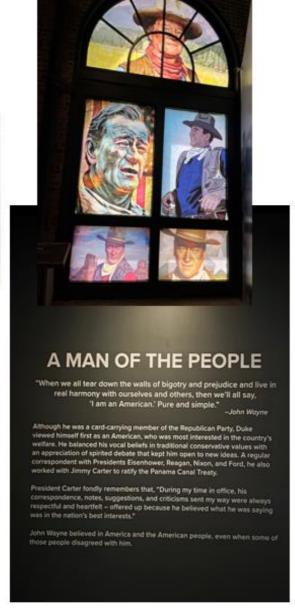
Michelangelo's Sistine Chapel, 02/17/2022













ERICAN







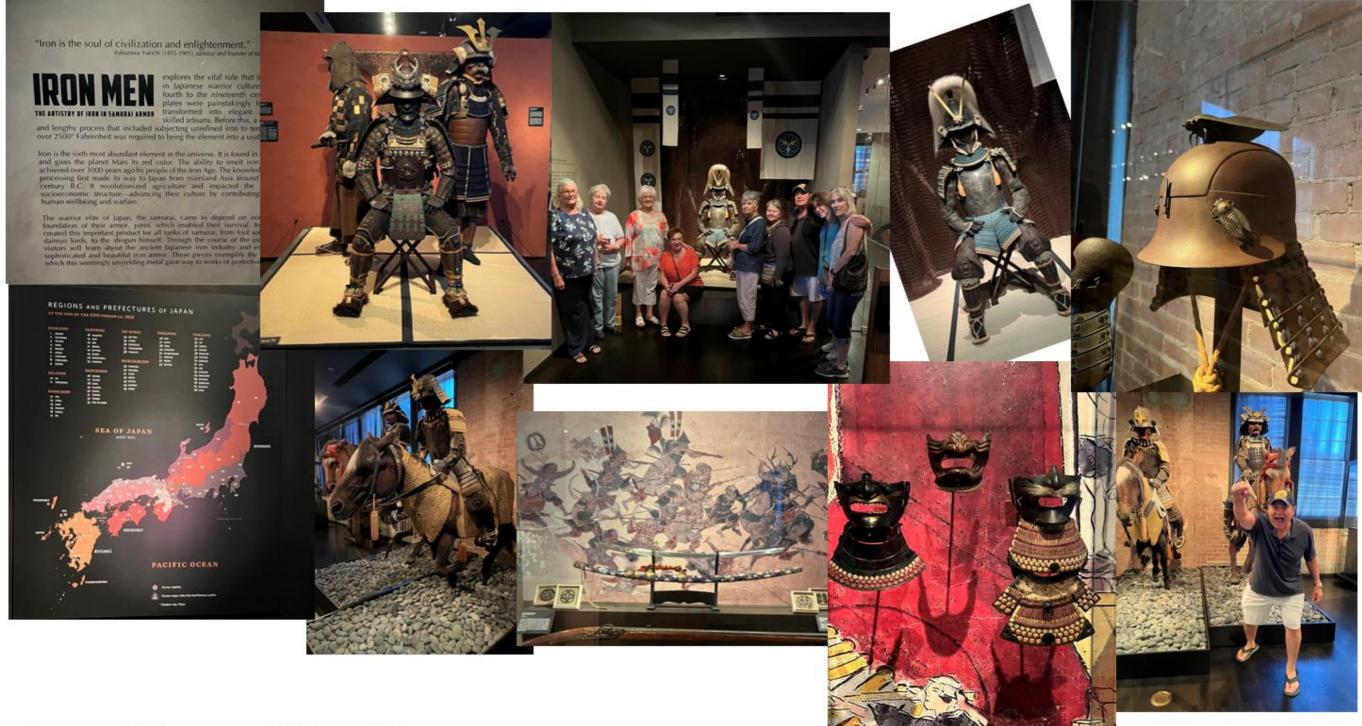




Attendees from the April 6, 2022 TIDA (Design Automation) Luncheon at Spring Creek BBQ in Richardson.

Left to Right: Don Smith, Bob Lemon, Drew Holland, Susan Argyle, Charles Livingston, and Chuck Lace. Kate Rose took the photo.





Future Planned Travel & Entertainment Events

Jun World Aquarium, downtown Dallas

Jul Ham's Orchard (a TIAA tradition)

Aug Texas Rangers game, Aug 31

* Sep Perot Museum

Oct Wine tasting in Grapevine



UTD/TIAA "Aging Minds" Seminar

BRAIN AGING & ALZHEIMER'S DISEASE

PRESENTED IN PARTNERSHIP WITH

TEXAS INSTRUMENTS ALUMNI ASSOCIATION

Thursday March 3, 2022

4:30 p.m. Reception 5 p.m. Lecture

UT Dallas

800 West Campbell Rd, Davidson-Gundy Alumni Center Richardson, TX 75080

Please respond by February 18

to cvl@utdallas.edu or (972) 883-3758



Dr. William Jagust, MD

Professor Public Health & Neuroscience University of California, Berkeley

Dr. William Jagust, MD, joined the faculty of the University of California, Davis in 1986, where he established the UC Davis Alzheimer's Disease Center and served as Chair of the Department of Neurology from 1998-2004. He moved to the University of California, Berkeley in 2004 where he is a Professor of Public Health and Neuroscience, and a Faculty Senior Scientist at Lawrence Berkeley National Laboratory.

Dr. Jagust's career has been focused on understanding the



VOLUNTEERS ARE NEEDED FOR STUDIES THAT INVESTIGATE BRAIN ACTIVITY AND MEMORY

Studies involve monitoring of brain activity through an imaging method called functional magnetic resonance imaging (fMRI) while you perform simple tasks.

In order to take part, you must:

- . Be between 18-30 or over 65 years of age.
 - Have learned English in childhood.
 - · Be in good general health.

Dates and times for participating are flexible.

You will be compensated for your time and reimbursed for travel.





For more information: Email: fnim@utdallas.edu

Call: 972-883-3753/3720



functional Neuroimaging of Memory

This research is conducted under the direction of Michael Rugg, PhD. at the Center for Vital Longevity, UT Dallas.

Other Plans

New Website Coming Soon

* Health Benefits Seminar

October

* Annual Retiree Luncheon

November 10

❖ Mesquite Convention Center



TIAA Status

As you can see from the current and planned activities, TIAA and its involvement in the community and fun is almost back to normal.

Get Involved Join In Serve the Community Have Fun



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Report of the Nominating Committee

Pursuant to the TIAA Bylaws,

The TIAA Board of Directors and TIAA Nominating Committee are pleased to recommend the following slate of officer candidates to the TIAA membership, for the term of office: July 1, 2022 through June 30, 2023.



Proposed TIAA Officers

July 1, 2022 – June 30, 2023



Shyamal Parikh President



Nancy Little Executive VP



Bob Rifkin Treasurer



Mary Helmick Secretary



Brief Bios of Candidates

Shyamal Parikh [President candidate] Shyamal joined TI in 1980 after receiving an MBA from the University of California, Los Angeles. He started his career as a financial analyst in the MOS Memory business, with progressive assignments in Accounting, Finance and Operations. He left TI in 2004 as the VP of Financial Planning and started a consulting business with a former TI colleague. He has also worked for startup companies as CFO, as well as serving as TIAA Treasurer for the past 3 years.

Nancy Little [Executive Vice President candidate] Nancy joined TI in 1984 after graduating from Colorado School of Mines with a Metallurgical Engineering degree. She retired from TI in December 2020 having worked her entire 36-year career in the Semiconductor Division. At the time of her retirement, Nancy was the Implant/Epi Engineering Section Manager in RFAB. Nancy has served as TIAA EVP for this past year and also helps with the Membership Team.

... cont'd



Brief Bios of Candidates - cont'd

<u>Bob Rifkin</u> [Treasurer candidate] Bob is a native of Omaha, Nebraska. He obtained a BS degree in industrial engineering from Northwestern University, and an MBA from Carnegie-Mellon University. He joined Texas Instruments as part of the Control Management Program in 1976. During his 44 year Tl career Bob held positions including controller of the Standard Linear and Logic entity, and manager of Tl Financial Reporting. His last Tl assignment was in Treasury. Bob retired from Tl in 2020, a few months after the offices closed due to COVID.

Mary Helmick [Secretary candidate] Mary is also a recent retiree, having worked in several positions in her 30 years at TI, including manager of the Standard Linear & Logic Packaging Group; management positions in the Sherman Wafer Fab facility; Quality Director for DLP; and Director of Strategy and Program Management for TI's Analog Business. Outside of work, since 1993 Mary has volunteered with BEST (Boosting Engineering, Science and Technology). She is currently serving as a Board member and Treasurer of BEST of Texas Robotics, Inc. She served as TIAA Secretary for the past year and also helps with our Membership Team.



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