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VOTING INSTRUCTIONS

Presented in this document are candidates for offices to be voted on in the 2015 AIChE Education Division elections. These candidates were selected by the 2015 AIChE Education Division Nominating Committee, chaired by Donald Visco, past chair. The committee presents this slate of candidates for consideration by the Division membership as of July 1, 2015.

The election will take place electronically using the membership email address list maintained by AIChE. Each Division member shall be sent an email containing a personal link to the election site. Alternatively, a ballot may be emailed, mailed, or faxed to the nominating committee chair since the current Secretary-Treasurer is on the ballot. The election shall commence August 1, 2015 and continue through August 31, 2015. All ballots must be received by close of business on August 31, 2015.

Write-in candidates are permitted for all offices.

For future reference, nominations may also be made for any office or directorship by petition of the membership if at least twenty Division members in good standing sign a petition and submit it to the Secretary / Treasurer by the first business day following July 1. Suggestions for candidates may be forwarded to the current officers for consideration by the nominating committee.

Questions and problems regarding the online voting system should be sent to David Silverstein, David.Silverstein@uky.edu.

CANDIDATE FOR SECRETARY/TREASURER

J. PATRICK ABULENCIA, MANHATTAN COLLEGE



I am pleased and honored to be nominated as a candidate for the Secretary/Treasurer position in the Education Division of AIChE. I earned my B.S. in Chemical Engineering from Manhattan College in 1997, and my Ph.D. in Chemical and Biomolecular Engineering from Johns Hopkins University in 2004. My graduate work focused on examining the effects of fluid shear stress on physiological systems. I joined the Chemical Engineering faculty at Manhattan College in Spring 2007, and currently am an Associate Professor primarily teaching material and energy balances, thermodynamics, fluids, and unit operations laboratory. I was also named the Director for the Center of Excellence in Learning and Teaching, which is the faculty development unit of the College, in Fall 2013. My current research interests include using video media to teach

thermodynamics, adapting the chemical engineering curriculum for millennials, and water filtration in rural communities. I am also the advisor for the student chapter of AIChE at Manhattan College, and have served as a director of the AIChE Tappan-Zee local chapter from 2008 to 2014.

Engineering education has been an integral part of my academic career, ever since my first exposure at the 2007 ASEE Annual Conference in Hawaii, and the 2007 Summer School in Washington State. I attribute these two events in establishing my mindset of thinking about the optimal ways of teaching Chemical Engineering to our students, as well as preparing me to become an effective teacher. I believe that the initiation of the AIChE Education Division in 2009 was vital to our community because it finally gave Chemical Engineering Education its due recognition and exposure in our professional society. It also provided an additional (and necessary) venue for discussion and dissemination between members. Overall, this Division has been a great resource in my career as an educator and scholar. I hope to give back and contribute to the leadership of the Education Division if I am elected as Secretary/Treasurer.

CANDIDATE FOR SECRETARY/TREASURER

KATIE CADWELL, SYRACUSE UNIVERSITY



I am very pleased to be nominated for the Secretary/Treasurer position of the Education Division of AIChE. Born and raised in Missouri, I began my college education as a pre-engineering student at Truman State University and then transferred and finished my B.S. in chemical engineering at the Missouri University of Science and Technology. With the career goal of teaching engineering, I pursued a PhD in chemical engineering from the University of Wisconsin-Madison, followed by a stint as a postdoctoral research associate in science and engineering education and outreach at the Materials Research Science and Engineering Center at the University of Wisconsin-Madison. While there, I landed my first part-time teaching gig in remedial chemistry at the Madison Area Technical College, which eventually transitioned into a role as full-time chemistry instructor and engineering transfer program director. Then in 2011 I accepted an appointment as an Assistant Professor with the

Biomedical and Chemical Engineering Department at Syracuse University, shortly thereafter accepting an additional appointment as the Chemical Engineering Undergraduate Program Director.

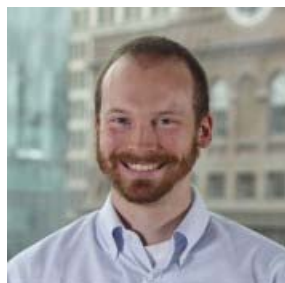
My primary interest is first and foremost the continual improvement of undergraduate engineering education. My position at Syracuse University is teaching-focused, with an increased course load in addition to my program director duties. Shortly after joining SU's College of Engineering and Computer Science, I also joined the College's newly-formed Best Practices in Undergraduate Education Committee, and assisted in writing a successful, 5-year education grant from NSF to improve teaching practices and undergraduate retention rates across the College. As part of this committee I help to organize pedagogical development opportunities for faculty, including seminars, workshops, and informal lunch meetings to discuss classroom techniques, issues, and solutions. As our third year on this grant begins, we have had much success in supporting faculty as they implement learning-active strategies in their classrooms.

In my brief tenure at Syracuse University, I have received the Technology Alliance of Central New York (TACNY) College Technology Educator of the Year, the Dean's Award for Excellence in Engineering Education, the Chancellor's Awards for Public Engagement and Scholarship: Inspiration Award, and the Teaching Recognition Award from the Syracuse University Laura J. and L. Douglas Meredith Professorship Program.

I have been an AIChE member since 2004, and am the faculty advisor for Syracuse University's student chapter of AIChE, which had been dormant and then newly re-formed in 2013. Through this new role, as well as an interest in educational products available through AIChE, such as the SChE Safety Certifications, my interest in participating more actively with national AIChE has been growing. I believe that the entry-level position of Secretary/Treasurer of the Education Division will allow for me meet other members who are passionate about engineering education, as well as introduce me to the inner workings of AIChE. Also – I really like taking notes. I am, again, grateful for the nomination, and hope to add value to the Education Division shortly.

CANDIDATE FOR 2ND VICE-CHAIR

BEN DAVIS, THE COOPER UNION



I am honored to be nominated for Second Vice-Chair of the Education Division of AIChE. I have enjoyed my opportunity to serve the division as Secretary/Treasurer from 2011 to 2015 and would welcome the new role of Second Vice-Chair. I understand that the Second Vice-Chair, Vice-Chair, and Chair positions in the division carry increased responsibility and I believe I am ready to take them on.

The mission of the Education Division, to advance and improve the education of chemical engineers, is very important to me. By encouraging educational research, spreading ideas for scholarly teaching, teaching division members, and informing other chemical engineers of applications which may benefit their own teaching and learning, the division is well suited to support the educational mission of the institute at large. I'd like to be involved in the continued growth and improvement of the division.

I have been Assistant Professor of Chemical Engineering at The Cooper Union for the Advancement of Science and Art in New York City for six years now. I am originally from Grand Island, New York and I attended Cornell University for my B.S. and UCLA for my Ph.D., both in Chemical and Biomolecular Engineering. I have been a member of AIChE since 2004 and I have attended the Annual Meeting every year I have been a member. I have also attended every Education Division planning and programming meeting since I started at Cooper Union and I plan to continue to do so.

In my role as Secretary/Treasurer of the division, I have prepared minutes for division meetings, created a division budget, managed our finances, helped to edit the division bylaws, implemented programs for increasing the membership of the division, and presented annually the current financial state of the division. I believe I have performed these duties well and I believe they have prepared me well for Second Vice-Chair.

If elected, I intend to perform my duties of serving on the programming committee of the division and assisting the Chair and Vice-Chair in all division business. I understand that my role would increase as Vice-Chair and eventually Chair of the division; I plan to learn carefully from the current division leadership and be ready to perform those roles when I take them on.

Thank you for your consideration and your time.

TAMARA FLOYD-SMITH, TUSKEGEE UNIVERSITY

I am honored to be considered for the position of 2nd Vice President in the Education Division of AIChE. I am a Professor of Chemical Engineering, 3M Scholar and Interim Assistant Provost at Tuskegee University in Tuskegee, AL. I received my B.S. in chemical engineering from Tuskegee University in 1996.



I completed my graduate work at the Massachusetts Institute of Technology in Cambridge, MA where I earned an M.S. in chemical engineering practice in 1998 and completed the requirements for a Ph.D. in chemical engineering in 2001. Upon completing my Ph.D., I accepted a position as a Member of Technical Staff at Lucent Technologies, Bell Labs (now OFS) in Norcross, GA in the optical fiber research and development division where I worked for two years. In 2003, I accepted a position as Assistant Professor of Chemical Engineering at Tuskegee University and have been teaching chemical engineering to undergraduates and graduate students for 12 years.

I became a licensed professional engineer in 2007.

I am a Senior Member of AIChE who was originally elected to membership in 1997. In addition to scientific research interests at the intersection of microfluidics and nanotechnology, I have a commitment to chemical engineering education. I have been responsible for new course development, publication of a course pack for *Introduction to Chemical Engineering* and innovation in the chemical engineering department at Tuskegee University. As a result, I have received teaching awards for which I was selected by both my peers and students. I am active in the educational division of AIChE helping to plan the programs for the national conferences and serving as a Session Chair at national conferences. I have co-authored several papers in *Chemical Engineering Education*, *Journal of Engineering Education* and other education journals. I am currently a member of the Publication Board of *Chemical Engineering Education*. My research in engineering education is funded by both the National Science Foundation and NASA and includes K12 outreach as well as investigating the role of community in academic engagement and persistence for engineering undergraduates. I am an ABET Program Evaluator Volunteer (PEV) and the Founding Link Governor for the Order of the Engineer Link at Tuskegee University. As the Link Governor, I coordinate the annual induction ceremony for all engineering graduates at Tuskegee University.

I would like to be elected to the position of 2nd Vice President because I would enjoy having a more formal role in the Education Division of AIChE. The Division is already strong and dynamic, but I believe that I could contribute to its further transformation. I would support all the initiatives, but I am passionate about increasing membership and participation in the division and fostering an atmosphere whereby chemical engineering education can be continuously and collectively improved through excellent programming and subsequent reflection by program participants.

CANDIDATE FOR DIRECTOR

SUZANNE KRESTA, UNIVERSITY OF ALBERTA



Suzanne Kresta joined the University of Alberta in 1992, after completing a doctorate at McMaster University. She is a co-editor of the Handbook of Industrial Mixing (Wiley, 2004) and Advances Volume (in press) and has served as President of the North American Mixing Forum. She was awarded the Engineers Canada Medal

for Distinction in Engineering Education (2014), the APEGA Summit Award for Excellence in Education (2013), the Rutherford Award for Excellence in Undergraduate Education (2011), the Senior Moulton Medal from IChemE (2005), the NAMF Award for Excellence and Sustained Contributions in Mixing Research and Practice (2004), and was named a Killam Annual Professor at the University of Alberta (2012). She teaches process design, mass and energy balances, fluid mechanics, and mixing and served on APEGA Council from 2010-2013.

Her research is on characterizing turbulence in a stirred tank to develop design and testing methods for mixing sensitive processes. She has collaborated with industrial colleagues to solve mixing problems in over 20 industries. Two of her papers were named among the 21 Most Influential Contributions to Mixing Research (2011), as was the Handbook of Industrial Mixing (edited volume).

Her teaching interests center around two objectives: integrating engineering design into the core chemical engineering curriculum, and designing courses to accelerate student learning past routine problem solving and into critical thinking and process evaluation. She has been involved with faculty development at the University of Alberta since 1996, leading the (New) Faculty Forums, serving as a Peer Consultant across the university, and leading the Teaching Enhancement Committee in the Department of Chemical and Materials Engineering. She served as Acting Associate Dean, Research and Planning for the Faculty of Engineering from January-July, 2014.

CANDIDATE FOR DIRECTOR

POLLY PIERGIOVANNI, LAFAYETTE COLLEGE



It is an honor to be nominated as a candidate for Director in the AIChE Education Division. I am currently Professor of Chemical and Biomolecular Engineering at Lafayette College, where I have been for the past 25 years. I served as department head for seven years, and now am back in the classroom, which I thoroughly enjoy.

I received my B.S. in Chemical Engineering from Kansas State University, and my Ph.D. from the University of Houston, concentrating on Biochemical Engineering. Lafayette College, a liberal arts college with an engineering division, hired me to introduce Biochemical Engineering to the Chemical Engineering Department. I became involved with the American Society for Engineering Education soon after I joined the department, and after I received tenure shifted my research interests to engineering education.

This began with Professor S. Scott Moor, where we developed kits, assignments and assessments to teach process control in the classroom. Later I developed a series of classroom active learning activities for non-engineering students, and studied how writing after the activities improves critical thinking. This led to a paper studying how writing in response to journal prompts in an upper level chemical engineering class improves technical proficiency. Currently I am developing a series of experiential learning activities for a Unit Operations in Food Engineering course.

In 2008, I received the Marquis Distinguished Teaching Award. In 2015, I was awarded the B. Vincent Viscomi Award Engineering Prize for Excellence in Mentoring and Teaching. I am passionate about teaching engineering, and look forward to serving the AIChE Education Division in the next few years.

Article III – Organization

Section 1. The officers of the Division shall be a Chair, a First Vice-Chair, a Second Vice-Chair, and a Secretary / Treasurer, all of whom shall hold membership in the Division and shall be Fellows, Members, or Associate Members of AIChE. The term of office in each case shall be two years. Nominations for the offices shall come from the Nominating Committee (Article V, Section 3). The Chair of the Division shall not be eligible for reelection to a Divisional office for a five year period after leaving office.

There is a natural succession by which the First Vice-Chair is normally the sole nominee for the office of Chair. Furthermore, the Second Vice-Chair is normally the sole nominee for the office of the First Vice-Chair. If the nominee does not accept the nomination, the Nominating Committee will solicit candidates for these positions.

Any member may be nominated as the Second Vice-Chair or Secretary / Treasurer. The Secretary / Treasurer may be reelected. The first elected Chair shall make all necessary appointments as needed for the startup of the Division.

Section 2. The activities of the Division shall be directed by a Division Board of Directors (Division Board) consisting of the current officers, the most recent living Past Chair of the Division, three persons elected as Directors from the membership of the Division, and a liaison appointed by the Board of Directors of the Institute and serving as an ex-officio with voting privileges. More members may be added by an affirmative vote of two-thirds of the total members of the Division Board.

Section 3. There shall be an Executive Committee of the Division Board, which shall consist of the Chair, First Vice-Chair, Second Vice-Chair, Secretary / Treasurer, and the most recent living Past Chair. It shall act for the Division Board on items of business delegated to it by the Division Board; and when the Division Board is not in session, the Executive Committee shall manage the affairs of the Division and take such actions as are consistent with the Board’s delegations.

Section 4. Directors on the Division Board shall be elected for a term of three years each, with one to be elected each year. A person who has served as a Director is eligible for election as an officer or as a Director.

Section 5. The Chair is the chief officer of the Division and is Chair of the Division Board and Executive Committee. The First Vice-Chair shall perform the duties of the Chair in the latter’s absence or inability to serve. In the event of a vacancy in the office of Chair, the First Vice-Chair shall serve as the chief officer of the Division until the next annual election. If a vacancy occurs in any of the other positions on the Division Board, the Board shall appoint a replacement from the Board if the vacancy is an officer or from the membership if the vacancy is a Director, to fill the unexpired term.

Section 6. The First Vice-Chair shall serve as the Program Chair and will be responsible for the programs which are to be presented during the years s/he holds the office.

Section 7. The Second Vice-Chair shall serve on the Programming Committee and assist the First Vice-Chair and Chair of the Division in conducting Division business.

Section 8. The Secretary / Treasurer shall

- a. Keep the records of the proceedings of the Division.
- b. Handle the general correspondence of the Division and shall at the direction of the Chair issue notices of all meetings.
- c. Prepare ballots for the election of officers.
- d. Handle and record the collection and disbursement of funds as authorized by the Division Board.
- e. Prepare a proposed budget for the upcoming year.
- f. At the end of each year submit a financial report to the Division Board and the Secretary of the Institute.

Article V – Elections

Section 1. One Director shall be elected annually by ballot made available to the members of the Division. The Chair, First Vice-Chair, Second Vice-Chair, and Secretary / Treasurer shall be elected bi-annually on this same ballot, when appropriate.

Nominations are to close on the first business day following July 1. Ballots are to be distributed by the first business day following August 1 and must be returned no later than the first business day following September 1. Ballots must be counted and the results sent to the membership no later than the first business day following October 1.

It is noted that ballots may be distributed and votes may be cast using electronic communication means. Election shall be by a majority of those voting. Ballots shall include notice of the date by which they must be received or cast in order to be counted. Ballots received or cast after this date shall not be counted. The count shall be certified to the Executive Committee.

Section 2. Delinquent members shall not be eligible to vote nor to hold office (Article VI, Section 1). Undergraduate student members shall not be eligible to vote nor to hold office.

Section 3. A Nominating Committee shall be formed in April of each year, with the most recent Division Past Chair as its Chair, who shall select two additional Division members who are not currently serving in an elected capacity to serve on the committee.

This committee shall formulate a slate of candidates for presentation to the members.

When the offices of Chair and First Vice-Chair are to be voted upon, this slate shall include one candidate each, for the offices of Chair and First Vice-Chair who shall normally be the past year's First Vice-Chair and Second Vice-Chair, respectively.

When the offices of Secretary / Treasurer and Second Vice-Chair are to be voted upon, this slate shall include two candidates each. If the Secretary/Treasurer is running for re-election, that candidate may run unopposed, at the discretion of the nominating committee.

When the office of Director is to be voted upon, this slate shall include two candidates.

If the past year's First Vice-Chair or Second Vice-Chair were appointees to fill an unexpired term, then an additional candidate may be named for the successive office(s) for which each would otherwise be the sole nominee. If the past year's First Vice-Chair, or Second Vice-Chair cannot stand for election, then two or more candidates for the successive offices thus left vacant will be named.

Nominations may also be made for any office or directorship by petition of the membership if at least twenty Division members in good standing sign a petition and submit it to the Secretary / Treasurer by the first business day following July 1.

Write-in candidates shall be permitted for any office on a ballot and space shall be provided on a ballot for such purposes.

Section 4. No member shall be eligible for election to more than one office at one time.

Section 5. The Chair-Elect, First Vice-Chair Elect, Second Vice-Chair Elect, Secretary / Treasurer Elect, and Director Elect shall take office at the completion of the AIChE Annual Meeting.

ALTERNATE BALLOT (FAX, MAIL-IN, EMAIL)

Note if both an online vote and an alternate vote are received, the online vote shall be considered binding. For multiple alternate votes, the first received shall be considered binding.

Name: _____ AICHe Membership Number or email as on file with AICHe: _____

For the Office of Secretary/Treasurer, Please vote for one (1):

____ J. Patrick Abulencia, Manhattan College

____ Katie Cadwell, Syracuse University

____ Write-In Candidate: _____

For the Office of 2nd Vice-Chair, Please vote for one (1):

____ Ben Davis, The Cooper Union

____ Tamara Floyd-Smith, Tuskegee University

____ Write-In Candidate: _____

For the Office of Director, Please vote for one (1):

____ Suzanne Kresta, University of Alberta

____ Polly Piergiovanni, Lafayette College

____ Write-In Candidate: _____

For the Office of 1st Vice-Chair (normally by succession), Please vote for one (1):

____ Matthew Liberatore, University of Toledo

____ Write-In Candidate: _____

For the Office of Division Chair (normally by succession), Please vote for one (1):

____ Taryn Bayles, University of Maryland, Baltimore County

____ Write-In Candidate: _____

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