CURRICULUM VITAE ----------------------------------------------------------------------------------APRIL 15, 2024

Johnny L. Houston, PhD

Mathematician-Computational Scientist-Educator-Administrator-Consultant

Senior Research Professor Emeritus - ECSU 602 W. Main St.

(ECSU: Elizabeth City State University, a UNC System Institution) Elizabeth City, NC 27909 USA

Executive Secretary Emeritus – NAM/Current: Chair of NAM’s Historical and Archives Committee (,HAC)

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A. ACADEMIC BACKGROUND/INSTITUTIONS ATTENDED:

1969 - 1974 PhD degree, Mathematics; Purdue U.; W. Lafayette, IN, August 1974

Sum 1969 U of GA; Athens, GA; Summer Institute for College Teachers of Math (Knot Theory)

1966 - 1967 L’Université de Strasbourg, FR, Auditeur Libre-Topologie [Merrill Study-Travel-Fellowship]

1965 - 1966 MS degree, Mathematics; Atlanta Univ (Clark Atlanta U); Atlanta, GA, Aug 1966

1960 - 1964 BA degree, Mathematics; Morehouse College, Atlanta, GA, June 1964

## B. SELECTED LEADERSHIP POSITIONS

2024 - Selected to be on the Panel at the Premiere Screening of JBM at San Francisco, CA at JMM (Jan 6)

2020 – A Primary Consultant: MSRI/Zala Films Doc., “The Journeys of Black Mathematicians” (JBM)

2019 - Chair of NAM Historical -Archival Committee (HAC) (Sylvia Bozeman, V Chair)

2018 Co-Chair of the Committee to establish NAM’s Clarence F. Stephens-Abdullah A. Shabazz Teaching Award

2017-19, Co-Chair, NAM’s Golden Anniversary Endowment Campaign (Sylvia Bozeman, Co-Chair)

2011-13, Established and Directed ECSU’s Global Education Center

2004-10, Established and Directed ECSU’s GLOBAL LEADERSHIP ACADEMY (GLA)

2003-10, PD USAID-ECSU-SENEGAL TLMP ($10-Millions-Grants/5 Million Books Produce/Distributed/used

2002-2010, Directed - ECSU’s African Studies Program

2002-09, Established and Directed ECSU’S Computational Sc. - Scientific Visualization (CSSV) Center

1996 Co-Chair of the Committee to establish NAM’s Haynes-Granville-Browne Presentation for new PhDs

1993 Co-Chair of the Committee to establish NAM’s David Blackwell Lecture (at MAA sum MATHFest)

1993 Co-Chair of the Committee to establish NAM’s J Ernest Wilkins Lecture (at NAM UG MATHFest)

1993 Co-Chair of the Committee to establish NAM’s Conference on Research and Teaching Excellence

1993 Co-Chair of the Committee to establish NAM’s Albert T. Bharucha-Reid Lecture (at NAM FCORTE)

1993 Co-Chair of the Committee to establish NAM’s Lifetime Achievement Award (given at NAM’s Nat’l Meet)

1992 Co-Chair of the Committee to establish NAM’s Undergraduate MATHFest Fall Research Conf. for students

1988-2010, Senior Research Professor of Mathematics and Computer Science, ECSU

1984-88, Vice Chancellor of Academic Affairs – Dean of the Faculty, ECSU

1983-84, Callaway Professor-Computer Sc, Ft. Valley St. U.; 1981-84, Chair of Computer Sc. (FVSU)

1979 Co-Chair of the Committee to establish the NAM’s Claytor- Woodard Lecture

1979 Co-Chair of the Committee to establish NAM’s Cox-Talbot Address (given at NAM’s National Meeting)

1975-1981, Chair of Mathematics and Computer Sc-Atlanta U (Grad Sch)/now Clark Atlanta U

1975-2000, First active Executive Secretary, National Association of Mathematicians, Inc. (NAM), 25 Years

1972-1973, First Director/Manager of Purdue University Black Cultural Center (BCC)

1969 Co-Founder of NAM and Chair of NAM’s Group of 17 Founders (New Orleans, 26 Jan. 1969 at JMM) In Community, EC-RCCDC, Bd-Ch: EC-Airport Bd-Ch; PC Adj. Bd-V Ch; Soc S -Bd-Ch; EC-PC Fd Bd-V. Ch.

## C. SOME OTHER PROFESSIONAL EXPERIENCES (ACADEMIC/VISITING SCIENTIST) of J. L. Houston

Elizabeth City State University, Professor Emeritus, 2010 ---Life

Department of Mathematics Morehouse College, Visiting Professor 2009-2010 (1st semester)

Dept. of Mathematics Savannah St. University, 1974-75, Assoc. Prof.

Purdue University, Instructor - Krannert Sch. Ind. Management, summers 70, 71, 73

Dept. of Mathematics, Stillman College, Tuscaloosa, AL, Instructor, 1967-69

Faculté de Science, L’Institute de Mathématiques, U de Strasbourg (FR) Graduate Asst., 1966-67

Oak Ridge National Lab, Oak Ridge, TN ORNL -RAM Program [Summer 2000]

Argonne National Lab, Chicago, IL, Parallel Computing Project [Summer 1999]

NASA-Langley Res. Ctr., Hampton, VA, ASEE Faculty Fellow, Graphics Proj. [Sum 1989, 1990]

Lawrence Livermore Nat’l Lab (LLNL), Livermore, CA; Comp. Graphics Proj [sum 1979, 1983]

The Nat’l Center for Atmospheric Research (NCAR), Adv. Study Pgm; Boulder, CO; [sum 1976]

J. L. Houston (JLH) Page CV-2

## D. SELECTED GRANTS AND CONTRACTS AWARDED

2009-2010 USAID [$4,666,400] Africa Ed. Initiative: Textbooks-Learning Mat’ls Program, Asst. PD

2005-2009 USAID [$5,500,000] Africa Ed. (AEI): Textbooks-Learning Mat’ls Program (TLMP), PD

2005-2008 DoE [$750,000] ECSU’s Computational Science Initiative, PD

2004-2005 USAID [$485,000] Africa Ed. Initiative: Sub-Saharan Africa Textbooks Project, PD

2002-2004 USAID [$800,000] Africa Ed. Initiative: Sub-Saharan Africa Textbooks Project, PD

2000-2005 DoE [$1,000,000] ECSU’s Computational Science Initiative 2000 – 2005, PD

1997-2000 DoE [$1,200,000] NAM-ECSU High Performance Computing Initiative, PD

1997-2000 DoE [$75,000] NAM-ECSU 1997-2000 Fac. Reg. Conf. (Computational Sc.), Co-PD

1999 NSA [$50,000], Undergraduate MATHFest IX, NAM-Texas Southern University, PD

1998 NSA [$50,000], Undergraduate MATH Fest VIII, NAM-Benedict College-SC, PD

1997 NSA [$50,000], Undergraduate MATHFest VII, NAM-Elizabeth City State U, PD

1996 NSA [$50,000], Undergraduate MATH Fest VI, NAM-Xavier University-LA, PD

1996 NSA-DOD Mathematical Sc. Div. [$100,000]; NAM-ECSU 1996 Comp’l Sc. Sum Inst., PD

1995 NSA [$50,000], Undergraduate MATH Fest V, NAM-Clark Atlanta University-GA; PD

1994 NSA [$50,000], Undergraduate MATH Fest IV, NAM-NC A&T St. U", PD

1993 NSA [$38,500], Undergraduate MATH Fest III, NAM-Southern U., Baton Rouge, LA;" PD 1992-94 NIH [$95,000]; "Statistical -Quantitative Genetics," Supplement-NC St. U Grant, Co-PI.

1990-92 NSF [$49,963]; "ECSU 2nd Century Thrust-Excellence in Computer Sc," Pl. Grant, PD

## E. SELECTED PROFESSIONAL AFFILIATIONS

American Mathematical Society (AMS)/Life Member; Association for Computing Machinery (ACM)

Association of Comp. & Inf./Eng. Dept.-Minority Institutions (ADMI) 2nd VP (1990-94)

Association for Women in Mathematics (AWM) ; Benjamin Banneker Association (BBA)

Mathematics Association of America (MAA) /Life Member/Bd of Gov (1992-95)

Mathematical Sciences Research Institute (MSRI); H.R. Advisory Committee (1993-98)

National Association of Mathematicians, Inc (NAM)/Co-Founder/Life Mem/Exec. Sec. (1975-2000) National Science Foundation; National Council for the Teaching of Mathematics-NC (NCCTM)

National Institute of Health (NIH), Consultant for the MARC Program in Math/Computer Sc.

Society for Industrial and Applied Mathematics (SIAM)/Life Member; IEEE Society

Advisory Committee - NC Supercomputer Center (1994 - 2003)

Advisory Committee - Purdue University Mathematics Department (1999-2002) Faculty Policy Working Group, American– African Universities Alliance.

African Presidential Archives and Research Ctr (APARC), Boston U, with Amb. Charles Stith

F. SELECTED INTERNATIONAL PRESENTATIONS (Including Some of JLH Unpublished Research) Languages: Read, Write and/or Speak: French/Spanish/German with various levels of proficiency.

Travels: Include all (50) states in the USA, 6 continents, over 70 different countries (25+) in Africa

2010 “Applications Using Computational Science,” Univ. of Makeree; Kampala, Uganda, June

2010 “Mathematical Modeling W-Computational Sc,” U of Dar es Salaam, Tanzania, June

2010 “The Use of Computational Science in Math’l Research,” U of Nairobi; Nairobi, Kenya, May

2006 “An Update-the Human Genome Proj,” Nat’l Minority Resch Symposium; Cancun, Mex, Oct

2003 “Solving PDE’s With Iterative Algorithms” SIAM International Meeting; Sidney, Austr, July

2002 “Solving PDE’s With Iterative Algorithms,” Inv. Speaker-ICM 2002; Beijing, China; Aug

2001 “On the Use of Iterative Methods for Solving PDE’s ” 5th Bouchet Conf., Benin, Africa; Aug

1999 “Using Numerical Algorithms for Solving PDE’s” U of the Western Cape; Cape town, ZA

1999 “Using Multigrid Methods for Solving PDEs;” U of Cape town; Cape town, South Africa; July

1999 “Using Multigrid Methods for Solving PDEs;” U of Ghana, Accra, Ghana; July 1998 “Fractals as Dynamical

Systems” 1998 The 3rd Bouchet Int’l Conf. Gaborone, Botswana, Aug

1995 “Categories and Functors” 4th Pan African Congress of Mathematicians; Ifrane, Morocco, Sept

1994 Presenter, (ICM), Zurich, Switzerland, July; 1990 Presenter, (ICM), kyoto, Japan, Aug.

1982 Presenter; “Mathematical Programming;” Bonn, Germany, February

JOHNNY L. HOUSTON (JLH) CV P. 3

G. 30 SELECTED USA PRESENTATIONS BY JOHNNY L. HOUSTON/INCLUDING UNPUBLISHED RSCH

2023 Math Alliance, 2023 Field of Dreams Conference, Keynote Speaker, GA State University, Nov. 5,

2023 Purdue University Established the annual Johnny L. Houston Mathematics Lecture Series (JLH 1st SPKR),

Purdue U., W. Lafayette, IN “Investigating-Visualizing Infinity in Finite Space” February 9

2020 PRIME Colloquium--Pomona Coll, CA, “12 African Am Pioneers-Mathematicians, Who Inspired Me,” Jun

2019 MAA-NAM David H. Blackwell Lecture at MAA MATHFEST/NAM 50th Anniv./25th Blackwell Lecture

Cincinnati, OH “Durene’s No Three-In-Line Problem: Solutions, Conditions, Progress and Conjectures,

2019 Solomon Recognition Spkr, U of SC, Colombia, SC, “Some of the Joy and Beauty of Mathematics,” May

2016 ECSU Established the annual Johnny L. Houston Mathematical Sc Colloquium (JLH 1st SPKR),

ECSU, Elizabeth City, NC “The Proof of Three Unique Theorems in Mathematics,” October

2010 The C. B. Dansby Lecturer/unveiled C. B. Dansby Exhibit. Morehouse Coll, Atlanta, GA Apr

2001 GAAN Seminar Presentation” Purdue University; (IN); September

2000 “Numbers that Count – Persons Who Impact, mathematically;” CAARMS-6, Keynote Banquet Speaker Morgan State University; Baltimore, MD; June 2000.

1999 “ECSU’s Computational Science-Scientific Visualization Ctr”; ADMI’s Symposium, Duluth, MN June

1999 “The End of One Era, the Beginning of Another: NAM’s 1st 30 Years;“ Cox-Talbot Address, San Antonio, Jan

1997 “The Solutions of Certain Problems in Discrete and Computational Geometry,

The J. Ernest Wilkins - NAM’s Undergraduate MATHFest VII; Elizabeth City, NC; Oct.

1997 “Resources: Tools, Techniques and Software in Computational Science for College Math. Courses,”

NAM’s 1997 Regional Faculty Conf. on Resch. & Teaching Excellence; Tuskegee, AL; Apr

1996 “The No-Three-In-Line Problem;" NAM’s David Blackwell Lecture, MAA MATHFest, Seattle, Aug

1995 "Stirling Numbers and Polynomials Over a Field," The Annual Meeting of The

Southeastern Section of the MAA; Ashville, NC; April

1994 "The Establishment of an Institute for Computational Sc/Eng.," Howard U., Wash, DC; Sept

1994 "The Study of Patterns in DNA Sequence Analysis", Sampson Lecture, Bates Coll, Lewiston, ME, Mar\*

1994 "Computational Science, A Simulation of Reality", Stillman College, Tuscaloosa, AL; March

1991 "Some Recent Results on the No-Three-In-A-Line Problem", Emory U., Atlanta, GA ; May\*

1991 "Math Modeling- Using Numerical Grid Generation Techniques", U of Delaware, Newark, DE; April\*

1991 "Workforce 2000, Educating Women/Minorities -STEM,” San Diego St. U.; Mar

1991 "Mathematical Modeling of Physical Phenomena (W-Comp Graphics);" U. of Alaska-FB; March\*

1991 "Nurturing the Next Generation of American mathematicians, Especially Minorities"

Symposium Speaker on Under-represented American Groups in Mathematics; Philadelphia, PA, ; Oct

1990 "A Seminar in Numerical Grid Generation", Hampton University, Hampton, VA; Spring

1990 "Some Recent Trends in Numerical Computation", NC A&T St. Univ, Greensboro, NC ; Feb

1980 “Using Sparse Matrices to Solve Least Squares Problems.", Naval Weapon Center, China Lake, CA, May\*

1974 "On the Theory of Fitting Classes in Certain Locally Finite Groups", Auburn U., AL, Mar

1974 "Comparing Different Classes of Maximal Subgroups", Kansas St U, Manhattan, KS, Feb

1974 "Injectors in Fitting Class Theory," Oakland U, Rochester, MI, Feb

1968 Inv. Spker “The Computer, the Future Custodian of Human Affairs,” for a group of 1500 H. S. Students,

who wanted to learn something about what to expect in the future, Drew H. S., Tuscaloosa, AL, Oct.

H. SOME SELECTED PUBLISHED BOOKS BY JOHNNY L. HOUSTON (JLH)

???. Profiles of African American Mathematicians, 1925-2015, Following the Legacy of Elbert F. Cox, to be Published in 2024 J L. Houston - Author ???

## 1. The History of the National Association of Mathematicians, 1st 30 Yrs. (1969-1999); NAM, 2002

J. L. Houston-Author, {ALL BOOKS BELOW HAVE, J L H EDITOR-IN-CHIEF AND PRIMARY AUTHOR}

2. Livre de Mathèmatiques, (3eme Stape), 2007 TLMP-Senegal, USAID-Lib of Congress

## 2A. Supplemental Mathematics Textbook: Math, Grades 5 – 6; (Eng. Ver of 2) USAID-Lib of Congress

3 Intro. á l’algèbre et á la gèomètrie; Niveaux 9 et 10; 2008, TLMP-Senegal, USAID/Lib-Congress

3A. Introduction Algebra and Geometry; Grades 9-10; - (Eng. Ver of 3) USAID-Lib of Congress

## 4. Mathèmatiques, Raisonnement quantitatif; Niveaux 6e et 5e; 2008 TLMP-Seng, USAID/Lib-Congress

## 4A. Mathematics, Quantitative Reasonings: Grades 7-8; (Eng. V of 4) TLMP-Seng, USAID/Lib-Congress

## 5. Intro. á la physique et á la chimie; NAiveaux 9 et 10; 2009 -TLMP-Senegal, USAID/Lib-Congress

5A. Physical Sc: Physics and Chemistry, Grades 9-10; 2009 (Eng. Ver of 5) TLMP, USAID/Lib-Congress

6. Sciences de la vie et de la terre, Niveaux 4eme et 3eme 2008- TLMP-Senegal, USAID/Lib-Congress

6A Introduction to Life Science and Earth Science, Grades 9 – 10 (Eng. Ver of 6) TLMP, USAID/Lib-Congress

JOHNNY L, HOUSTON (JLH) CV P. 4

## I. 12 MATHSCINET PUBLICATIONS BY THE AM. MATH. SOC. (AMS) BY J. L. HOUSTON (JLH)

2024 Houston, J. L.; “The Legacy of Dr. Evelyn Boyd Granville” AMS Notices Vol. Feb 2024, pp. MSN

2023 Houston, J. L.; “Passing the Torch-NAM first 5 Decades” AMS Notices Vol. 70 – 2 Feb 2023, pp. 283-292 MSN

2023 Houston, J. L.; “Remembering Prof. Aderemi O. Kuku” AMS Notices Vol. 70 – 2 Feb 2023, pp. 278-282 MSN

2020 Houston, J. L.; “The Founding of the Nat’l Assn of Math-s (NAM),” (AMS-CVM 759), pp 1-19, mathscinet

2020 Houston, J. L.; “The First 50 Years of NAM,” (AMS-CMV 759), pp. 167-184, mathscinet

2019 Houston, J. L.; “A centennial year (2019) reflection on the life and contributions of mathematician David H. Blackwell (1919--2010),” Notices Amer. Math. Soc .221--226, 66, 2019. (01A20) mathscinet

2019 Houston, J. L.; “The life and pioneering contributions of an African American centenarian: mathematician Katherine G. Johnson,” Notices Amer. Math. Soc. 324--329, 66, 2019. (01A70) mathscinet

2018 Houston, J. L.; “Clarence F. Stephens (1917--2018)”, “Notices, AMS. 848-- 849, 65, 2018. (01A70) mathscinet

## 2018 Houston, J. L. ;“Ten African American pioneers and mathematicians who inspired me,”AMS Notices, Feb MSN

2008 ECSU-NAM Proceeding of the CSSV Center Summer Research Institute, J. L. Houston, Editor, July 2008

## 2000 Houston, J. L. “Numbers that count---persons who impact, mathematically,” CAARMS Vol. IV

(Baltimore, MD, 2000), 105—135, 284, Contemp. Math., Amer. Math. Soc., Providence, mathscinet

1999 Houston, Johnny L. “A brief history of the National Association of Mathematicians, Inc,” African Am

in mathematics, II (Houston, TX, 1998), 139--164, 252, Contemp. Math., Amer. Math. Soc., Providence, MSN

## J. SOME - ADDITIONAL PUBLICATIONS-COMPLETED RESEARCH PROJECTS BY J. L. HOUSTON

1999 “ECSU’s Computational Science-Scientific Visualization Center” ADMI ’99 Proceedings,

Progress Through Unity*,* Washington, DC; p. 34-39

1999 “The End of One Era – The Dawn of Another; NAM ’99 Proceedings; pp. 3- 20

1986 “Baccalaureate Degree Programs in Computer Science and Computer Information Systems at Small Colleges and Universities,” Issues in Educational Computing in Minority Inst. pp. 9 - 19

1982 “Transformation of Coordinates (in space, Computer Routines)”

A Technical Report Completed for a project for Wright Patterson AFB)

1979 A three-dimensional LaGrange hydrodynamics Computer Graphics Project,”

A Technical Report completed at Lawrence Livermore Laboratory, Summer

1976 “On the treatment of unequally spaced meteorological and climatological data,”

A Technical Report Completed at National Center for Atmospheric Research, Summer

1974 “On the Theory of Fitting Classes in Certain Locally Finite Groups,” PhD Thesis, August [Purdue Univ.]

1966 “On Topologies for Function Spaces,” MS Thesis, August [Atlanta University/Clark Atlanta University]

## K. SOME SPECIFIC RESEARCH AREAS IN WHICH JLH HAS DONE INDEPTH STUDY AND RESEARCH

a . Topology - I was introduced to Topology during my senior year in college. I became fascinated with this knowledge area. While studying for my MS degree in Mathematics I decided to do research in Topology and I wrote my MS thesis in Topology. The next year I went to France and studied Topology for an entire year; the latest in Topology, written by the Société’ de Boubaki and the Groupe de Lie under Professors Bernard and Zisman, two top Topologists (members - the Société’ de Bourbaki (names not revealed).

At Purdue in 1969, I could not locate any seasoned Topologists or Algebraic Topologists.

I then asked Prof. Eugene Schenkman (group theorist) to be my PhD dissertation Advisor. He agreed.

b. Computational Science (Numerical Method/Scientific Visualization/Comp Graphics/Application)

In 1978, IBM invited me to its Atlanta GA Educational Center, taught me how to do scientific Programming (Fortran), I became convinced that there are very few things, computationally, that a computer cannot do (“The Future Custodian of Human Affairs”). I have learn much about computers by using them, reading about them and developing new applications for them to do.

I have never taken a course in Computer Science in an academic classroom (learning from the “Industrial and Nat’l Lab classrooms and using the What-If” Approach Computational Science has served me well throughout my career).

## c. HOUSTON HAS WORKED ON SEVEN SPECIFIC RESEARCH PROJECTS IN PROCESS OVER TIME

1. The No-Three-In-Line Problem 2. The Study of Patterns in DNA Sequences

3. Fractals as Dynamical Systems 4. Studying Problems with algebraic Structures

5. Modeling Phenomena with Computational Sc. 6. Using Numerical Algorithms to Solve PDEs

7. The History of Mathematics – The Biographies of Underrepresented Americans in the mathematical sciences

JOHNNY L. HOUSTON (JLH) CV P. 5

# L. BELOW, 30+ ONE PAGE BIOGRAPHIES/LEGACIES WERE WRITTEN BY J L HOUSTON

AND PUBLISHED IN NAM’s NEWSLETTERS AND/OR MAA BIOGRAPHIES

FROM 2002-2023 J. L. HOUSTON has written SOME 20+ ADDITIONAL LEGACIES/BIOGRAPHIES

2001 Spotlight on a Mathematician, “Euphemia Lofton Haynes” NAM’s Newsletter, Winter Issue

2001 Spotlight on a Mathematician, “Dudley W. Woodard” NAM’s Newsletter, Winter Issue

2000 Spotlight on a Mathematician, “Japheth Hall, Jr.” NAM’s Newsletter, Fall Issue

2000 Spotlight on a Mathematician, “Thyrsa Frazier” NAM’s Newsletter, Summer Issue, p. 9

2000 Spotlight on a Mathematician, “Harriet J. Walton NAM’s Newsletter, Summer Issue, p. 4

2000 Spotlight on a Mathematician, “Scott W. Williams,” NAM’s Newsletter, Spring Issue, p. 4-5

1999 Spotlight on a Mathematician, “Richard A. Tapia, ” NAM’s Newsletter- Winter Issue, p. 14

1999 Spotlight on a Mathematician, “Gloria C. Hewitt” NAM’s Newsletter, Fall Issue, p. 11

1999 Spotlight on a Mathematician, “Manuel Keppler” NAM’s Newsletter, Fall Issue, p. 12

1999 Spotlight on a Mathematician, “Genevieve M. Knight” NAM’s Newsletter, Summer Issue, p. 13

1999 Spotlight on a Mathematician, “Reuben R. Mc Daniel” NAM’s Newsletter, Spring Issue, p. 12

1998 Spotlight on a Mathematician, “James A. Donaldson,” NAM’s Newsletter, Winter Issue, p. 11

1998 Spotlight on a Mathematician, “Alfred D. Stewart” NAM’s Newsletter, Winter Issue, p. 2

1998 Spotlight on a Mathematician, “Georgia C. Smith” NAM’s Newsletter, Fall Issue, p. 13

1998 Spotlight on a Mathematician, “James E. Robinson” NAM’s Newsletter, Summer Issue, p. 11 1998 1997 Spotlight on a Mathematician, “Joseph A. Pierce” NAM’s Newsletter, Spring Issue, p. 12

1997 Spotlight on a Mathematician, “Abdullah A. Shabazz” NAM’s Newsletter, Winter Issue, p.11

1997 Spotlight on a Mathematician, “Charles G. Costley” NAM’s Newsletter, Fall Issue, p. 13

1997 Spotlight on a Mathematician, “Clarence Stephens” NAM’s Newsletter, Fall Issue, p. 14

1997 Spotlight on a Mathematician, “Sylvia Bozeman” NAM’s Newsletter, Summer Issue, p. 11

1996 Spotlight on a Mathematician, “Theodore R. Sykes” NAM’s Newsletter, Winter Issue, p. 4

1996 Spotlight on a Mathematician, “Charles B. Bell, Jr. ” NAM’s Newsletter, Winter Issue, p. 5

1996 Spotlight on a Mathematician, “Rogers J. Newman” NAM’s Newsletter, Fall Issue, p. 6

1996 Spotlight on a Mathematician, “Etta Z. Falconer” NAM’s Newsletter, Summer Issue, p. 5

1996 Spotlight on a Mathematician, “Beauregard Stubblefield” NAM’s Newsletter-Spring Issue, p. 3

1995 Spotlight on a Mathematician, “Marjorie L. Browne” NAM’s Newsletter, Winter Issue, p. 7

1995 Spotlight on a Mathematician, “Evelyn B. Granville” NAM’s Newsletter, Winter Issue, p. 8

1995 Spotlight on a Mathematician, “Vivienne Malone-Mayes” NAM’s Newsletter, Fall Issue, p. 3

1995 Spotlight on a Mathematician, “Elbert F. Cox” NAM’s Newsletter, Spring Issue, p. 4

1995 Spotlight on a Mathematician, “Walter R. Talbot” NAM’s Newsletter, Spring Issue, p. 5

1994 Spotlight on a Mathematician, “J. Ernest Wilkins” NAM’s Newsletter, Fall Issue, p. 4

1994 Spotlight on a Mathematician, “David Blackwell” NAM’s Newsletter, Summer Issue, p. 5

M. SOME OF MY FAVORITE MENTORS-

1. Grandmother Ruth Houston, a Traditional Healer and a Lady of great wisdom
2. Mother Catherine Houston Vinson, a Lady of great wisdom and confidence
3. Mrs. Mamie Robinson, a lady of great faith and wisdom
4. The Houston Ladies (My Compass-Guides): My Bride Virginia, Elder Daughter Mave, Younger Daughter Kai
5. Dr. Benjamin Elijah Mays, a man of great insight and wisdom
6. Dr. Martin Luther King, Jr, a man of great faith and wisdom
7. Prof. Lucious Tobin, , a man of great insight and tenacity
8. Prof. Henry C. McBay, a distinguished researcher, a scholar, and a Master of his Craft-teacher
9. Prof. Elbert F. Cox, a man of great tenacity without mile posts to guide him
10. Prof. J. Ernest Wilkins, a great researcher, a scholar, a man of great insight and wisdom,
11. Prof. Claude B. Dansby, A great teacher/scholar; 12. Prof. Lloyd K. William, a great scholar

JOHNNY L. HOUSTON (JLH) CV P. 6

N. 50 Selected Recognitions-Honors-Awards Received By Johnny L. Houston, 1960-2024

1. 1960, Graduated - Ballard-Hudson H S (Macon, GA), Top 5% of Class
2. 1960, Entered-Morehouse College with scholarship
3. 1964 Graduated from Morehouse with a BA degree in Mathematics; minors: Chem/Educ
4. 1965, Admitted - Atlanta U (now Clark Atlanta U) with an NSF Fellowship
5. 1966, Earned at AU (CAU)-MS degree in math; received Merrill Fellowship-Study Abroad-1yr.
6. 1966-67, fait d’etude de mathematiques, l’Universite de Strasbourg (France)
7. 1968, Selected by IBM Ed. Institute (Atlanta) for training in FORTRAN (sum); fall-The C, Future Custodian H. A’
8. 1969, Jan-a Co-Founder-Presider over NAM’s Establishment (NO, LA); Sum-U of GA; Fall-Purdue U,
9. 1971, a Co-Founder of Purdue University Black Culture Center (BCC)
10. 1972-73, First Manager-Director-Purdue University BCC
11. 1974, Earned-PhD degree in mathematics from Purdue U, Prof Eugene Schenkman, adviser
12. 1975-2000, Selected Executive. Secretary of the National Association of Mathematicians (NAM)
13. 1975, Selected Chair-Dept of Mathematics, Atlanta University (a graduate school only in AU Center)
14. 1980, Received Purdue U Black Cultural Center Distinguished Service Award (10th Anniversary)
15. 1981, Selected-“American Men and Women in Science;” Selected “Who’s Who in GA,” 1982
16. 1983, Selected Callaway Professor of Computer Science, Ft Valley State University
17. 1984, Selected Vice Chancellor-Academic Affairs-Elizabeth City State University (ECSU)
18. 1985, Selected as one of the final three nominees to be considered for Cheney University’s next president
19. 1988, Appointed Senior Research Professor-Mathematics and Computer Science (ECSU)
20. 1988, Selected-“Who’s Who Among Black Americans;” Selected “Who’s Who in Technology” (1991)
21. 1990-94, Selected 2nd VP, ADMI-Assn of Comp & Inf Sc/Engineers Dept at Minority Institutions
22. 1992-95, Selected a Member of the Board of Governors-Mathematics Association of America (MAA)
23. 1992, Selected-“Who’s Who in America;” Placed in the World Directory of Mathematicians (1994)
24. 1993-98, Selected a Member of HR Advisory Com-Mathematical Sciences Research Institute (MSRI)
25. 1994-2003, Selected to serve on the Advisory Committee-NC Supercomputer Center
26. 1996, Selected ECSU Teacher of the Year Award (2nd recipient to receive this award)
27. 1996, Received the UNC System Board of Governors Teaching Excellence Award
28. 1998, Received NC Governor’s Award for Outstanding Volunteer Service
29. 1999, Received “NAM’s Lifetime Achievement Award,” (1975-2000, NAM’s Exec. Sec.)
30. 1999-2002, Selected to serve on Purdue University Mathematical Sciences Advisory Committee
31. 2000, Completed and published the 242-pp. volume: The History of NAM, the first 30 years
32. 2000, Selected to give the 5th CAARMS Keynote Address, Morgan St. U, Baltimore, MD
33. 2002-09, Established-Directed ECSU Computational Sc-Scientific Visualization Center (CSSV-Ctr)
34. 2003-10, Established-Directed USAID-ECSU-SENEGAL TLMP (Rec. $10 mil-Grants; prod./d.-5 mil-books)
35. 2004, Received Elizabeth City St U Chancellor’s Award (2nd Recipient to receive this award)
36. 2008, Invited/attended State Dinner at the White House (in honor of President John A. Kufour, Ghana)
37. 2009, ECSU Foundation Award-Philanthropy (Largest Donation by a faculty member)
38. 2009, Received Purdue U Black Culture Center Pioneer Award (Distinguished Service Award 2008)
39. 2010, Invited to Present Morehouse Coll C. B. Dansby Lecture, (unveiled Prof. Dansby Exhibit/Photo)
40. 2013, Selected a History Makers, Science-Math Recognition (Archived in the Library of Congress)
41. 2016, ECSU Established the Annual Johnny L. Houston Mathematical-Sc. Lecture (JLH, 1st Speaker)
42. 2018, Selected a Mathematically Gifted and Black 2018 Honoree, February
43. 2019, Received NAM’s Co-Founder Award, NAM-50th Anniversary Banquet, Baltimore., MD
44. 2019, Selected to present NAM-MAA 25th David Blackwell Lecture at MAA MATHFEST-Cin, OH
45. 2020, Selected by MSRI-ZalaFilms as Primary Consultant, Movie-Journeys of Black Mathematicians
46. 2023, Purdue U Established The Annual Johnny L. Houston Mathematics Lecture (JLH 1st Speaker)
47. 2023, Selected-Keynote Speaker, MATH Alliance “Field of Dreams Conference”
48. 2024, Retired from NAM’s Board of Directors, (after 50 yrs. of Service on NAM’s Board)
49. 2024, Received NAM’s 55th Anniversary Legacy Award (2nd Legacy Award by NAM)
50. 2024, In CA, Premier Screening, Movie-Journeys of Black Mathematicians, (JLH served on Panel)

50A. 2024, ECSU named a STEM-LECTURE/CLASSROOM in J. L. HOUSTON HONOR, 225 Dixon-Patterson H.

JOHNNY L. HOUSTON (JLH) ONE PAGE SUBSETS BEGIN HERE PAGE 7

PAGES 1 – 6 CONSISTS OF THE COMPLETE CURRICULUM VITAE, PAGES 8 – 15 ARE 1 PAGE SUBSETS

A ONE PAGE SUBSET PROVIDES INFORMATION REGARDING ONE TOPIC OR CONNECTING TOPICS.

THAT PERMITS THE READER TO FOCUS ON ONE EVENT-INVOLVEMENT OR RELATED ONES.

LISTED ARE THE EIGHT 1 – PAGE SUBSETS IN THE ORDER IN WHICH IT APPEARS AS A SUBSET.

1. 2024 JLH CV-SUBSET, SS-1: SELECTED FORMAL EDUCATION AND PROFESSIONAL CAREER

1. 2024 JLH CV-SUBSET, SS-2: SELECTED PUBLICATIONS-RESEARCH ACTIVITIES

1. 2024 JLH CV-SUBSET, SS-3: SELECTED SCHOLARLY PRESENTATIONS

1. 2024 JLH CV-SUBSET, SS-4: SELECTED PROFESSIONAL SERVICE-OTHER INVOLVEMENTS

1. 2024 JLH CV-SUBSET, SS-5: SELECTED EVENTS-ACTIVITIES RELATED TO ECSU

1. 2024 JLH CV-SUBSET, SS-6: SELECTED EVENTS-ACTIVITIES RELATED TO JLH AND NAM

1. 2024 JLH CV-SUBSET, SS-7: SELECTED VIDEO TAPES OF SCHOLARLY PRESENTATIONS

1. 2024 JLH CV-SUBSET, SS-8: 50 SELECTED RECOGNITIONS

JOHNNY L. HOUSTON (JLH) ONE PAGE SUBSET PAGE SS-1

2024 JLH CV, SUBSET SS-1 FORMAL EDUCATION – SELECTED PROFESSIONAL INVOLVEMENTS

A. FORMAL ACADEMIC EDUCATION - INSTITUTIONS ATTENDED:

1969 - 1974 PhD degree, Mathematics; Purdue U.; W. Lafayette, IN, August 1974

Sum 1969 U of GA; Athens, GA; Summer Institute for College Teachers of Math (Knot Theory)

1966 - 1967 L’Université de Strasbourg, FR, Auditeur Libre-Topologie [Merrill Study-Travel-Fellowship]

1965 - 1966 MS degree, Mathematics; Atlanta Univ (Clark Atlanta U); Atlanta, GA, Aug 1966

1960 - 1964 BA degree, Mathematics; Morehouse College, Atlanta, GA, June 1964

B. SELECTED LEADERSHIP POSITIONS

2024 Panelist on the Premiere Screening of the Documentary: Journeys of Black Mathematicians in CA

2020 A Primary Consultant: MSRI/Zala Films Documentary: “The Journeys of Black Mathematicians”

2018 Chair of NAM’s Historical - Archival Committee (HAC) (Sylvia Bozeman, V Chair)

2017-19, Co-Chair, NAM’s Golden Anniversary Endowment Campaign (Sylvia Bozeman, Co-Chair)

2011-13, Established/Directed ECSU’s Global Education Center

2010-Life, Professor Emeritus, Elizabeth City State University (UNC SYSTEM)

2004-10, Established/Directed ECSU’s GLOBAL LEADERSHIP ACADEMY (GLA)

2003-10, PD USAID-ECSU-SENEGAL TLMP ($10-Millions-Grants/5 Million Books Produced/Distributed) 2002-2010, Directed - ECSU’s African Studies Program

2002-09, Established/Directed ECSU’S Computational Sc. - Scientific Visualization (CSSV) Ctr

1988-2010, Senior Research Professor of Mathematics and Computer Science, ECSU

1984-88, Vice Chancellor of Academic Affairs – Dean of the Faculty, ECSU

1983-84, Callaway Professor-Computer Sc, Ft. Valley St. U.; 1981-84, Chair of Computer Sc. (FVSU)

1975-1981, Chair of Mathematics and Computer Sc-Atlanta U (Grad Sch)/now Clark Atlanta U

1972-1973, First Director/Manager of Purdue University Black Cultural Center (BCC)

In Community, EC-RCCDC, Bd-Ch: EC-Airport Bd-Ch; PC Adj. Bd-V Ch; Soc S -Bd-Ch; EC-PC Fd Bd-V. Ch.

C. SOME SELECTED PROFESSIONAL EXPERIENCES (ACADEMIC/VISITING SCIENTIST)

2009-2010 Department of Mathematics Morehouse College, Visiting Professor (2nd semester)

2000 Oak Ridge National Lab, Oak Ridge, TN ORNL -RAM Program [Summer 2000]

1999 Argonne National Lab, Chicago, IL, Parallel Computing Project [Summer 1999]

1989-1990 NASA-Langley Res. Ctr., Hampton, VA, ASEE Faculty Fellow, Graphics Proj. [Sum 1989, 1990]

1979, 1983 Lawrence Livermore Nat’l Lab (LLNL), Livermore, CA; Comp. Graphics Proj [sum 1979, 1983]

1976 The Nat’l Center for Atmospheric Research (NCAR), Adv. Study Pgm.; Boulder, CO; [sum 1976]

1974-1975 Dept. of Mathematics, Savannah St. University, Associate Professor

1970-1973 Purdue University, Instructor - Krannert Sch. Industrial. Management, summers 70, 71, 73

1967-1969 Dept. of Mathematics, Stillman College, Tuscaloosa, AL, Instructor

1966-1967 Faculté de Science, L’Institute de Mathématiques, U de Strasbourg (France) Grad. ASST.

JOHNNY L. HOUSTON (JLH) ONE PAGE SUBSET PAGE SS-2

1 – 2024 JLH CV-SUBSET SS-2 SELECTED PUBLICATIONS/COMPLETED RESEARCH

A. SOME SELECTED PUBLISHED BOOKS BY JOHNNY L. HOUSTON (JLH)

1. The History of the National Association of Mathematicians, 1st 30 Yrs. (1969-1999); NAM, 2002

J. L. Houston-Author, {BOOKS Below Have J. L. Houston as Editor-In-Chief/Primary Author}

2. Livre de Mathèmatiques, (3eme Stape), 2007 TLMP-Senegal, USAID-Lib of Congress

2A. Supplemental Math Textbook: Math, Grades 5 – 6; (Eng. Ver of 2) USAID-Lib of Congress

3 Intro. á l’algèbre et á la gèomètrie; Malveaux 9 et 10; 2008, TLMP-Senegal, USAID/Lib-Congress

3A. Introduction Algebra and Geometry; Grades 9-10; - (Eng. Ver of 3) USAID-Lib of Congress

4. Mathèmatiques, Resignment quantitatif; Nivea 6e et 5e; 2008 TLMP-Seng, USAID/Lib-Congress

4A. Mathematics, Quantitative Reasonings; Grades 7-8; (Eng. V of 4) TLMP-Seng, USAID/Lib-Congress

5. Intro. á la physique et á la chimie; Nivéaux 9 et 10; 2009 -TLMP-Senegal, USAID/Lib-Congress

5A. Physical Sc: Physics and Chemistry, Grades 9-10; 2009 (Eng. Ver of 5) TLMP, USAID/Lib-Congress

6. Sciences de la Vie et de la Terre, Malveaux 4eme et 3eme 2008- TLMP-Senegal, USAID/Lib-Congress

6A Introduction to Life Science and Earth Science, Grades 9-10 (Eng. Ver of 6) TLMP, USAID/Lib-Congress

B. 12 MATHSCINET PUBLICATIONS . (AMS-Am. Math. Society) BY J. L. HOUSTON (JLH)

2024 Houston, J. L.; “The Legacy of Dr. Evelyn Boyd Granville” AMS Notices Feb 2024, pp.

2023 Houston, J. L.; “Passing the Torch-NAM 1st 5 Decades” AMS Notices Vol. 70-2 Feb 2023, pp.

2023 Houston, J. L.; “Remembering Prof. Aderemi O. Kuku” AMS Notices Vol. 70 – 2 Feb 2023, pp. 2

2020 Houston, J. L.; “The Founding of the Nat’l Assn of Math-s (NAM),” (AMS-CVM 759), pp 1-19, t

2020 Houston, J. L.; “The First 50 Years of NAM,” (AMS-CMV 759), pp. 167-184, mathscinet

2019 Houston, J. L.; “A centennial year (2019) reflection on the life and contributions of mathematician David H. Blackwell (1919-2010),” AMS Notices .221-226, 66, 2019. (01A20) mathscinet

2019 Houston, J. L.; “The life and pioneering contributions of an African American centenarian:

mathematician Katherine G. Johnson,”  AMS Notices , pp 324--329, 66, 2019. (01A70) mathscinet

2018 Houston, J. L.; “Clarence F. Stephens (1917--2018)”, AMS Notices, pp. 848-- 849, Vol 65,

2018 Houston, J. L. ;“10 African Am. Pioneers-mathematicians who inspired me, AMS Notices Feb

2000 Houston, J. L. “Numbers that count-persons who impact, mathematically,” CM Vol. IV

1999 Houston, J. L. “A brief history of the National Association of Mathematicians, ,” CM Vol. II

1974 Houston, J. L. “On the Theory of Fitting Classes in Certain Locally Finite Groups,” PhD-D, ProQuest

C. SOME ADDITIONAL COMPLETED RESEARCH PROJECTS BY J. L. HOUSTON

1999 “ECSU’s Computational Science-Scientific Visualization Center” ADMI ’99 Proceedings,

Progress Through Unity*,* Washington, DC; p. 34-39

1999 “The End of One Era – The Dawn of Another; NAM ’99 Proceedings; pp. 3- 20

1986 “Baccalaureate Degree Programs in Computer Science and Computer Information Systems

at Small Colleges and Universities,” Issues in Educational Computing in Minority Inst. pp. 9-19

1982 “Transformation of Coordinates (in space, Computer Routines)”

A Technical Report Completed for a project for Wright ­Patterson AFB)

1979 A three‑dimensional LaGrange hydrodynamics Computer Graphics Project,”

A Technical Report completed at Lawrence Livermore Laboratory, Summer

1976 “On the treatment of unequally spaced meteorological and climatological data,”

A Technical Report Completed at National Center for Atmospheric Research, Summer

1966 “On Topologies for Function Spaces,” MS Thesis, August [Atlanta U/Clark Atlanta U]

## HOUSTON HAS WORKED ON 7 SPECIFIC RESEARCH PROJECTS AND GOTTEN RESULTS

1. The No-Three-In-Line Problem 2. The Study of Patterns in DNA Sequences

3. Fractals as Dynamical Systems 4. Studying Problems with algebraic Structures

5. Modeling Phenomena with Computational Sc. 6. Using Numerical Algorithms to Solve PDEs

7. The History of Mathematics – The Biographies of Underrepresented Americans in the mathematical sciences

J. L. HOUSTON (JLH) ONE PAGE SUBSET PAGE SS-3

JOHNNY L. HOUSTON HAS GIVEN NEAR 100 SCHOLARLY PRESENTATIONS, Globally

A. 15 JLH SELECTED INTERNAT’L PRESENTATIONS (Some with JLH Unpublished Research) Languages:

2010 “Applications Using Computational Science,” Univ. of Makeree; Kampala, Uganda, June

2010 “Mathematical Modeling W-Computational Sc,” U of Dar es Salaam, Tanzania, June

2010 “The Use of Computational Science in Math’l Research,” U of Nairobi; Nairobi, Kenya, May

### 2006 “An Update-the Human Genome Proj,” Nat’l Minority Resch Symposium; Cancun, Mex, Oct

2003 “Solving PDE’s With Iterative Algorithms” SIAM Internat’l Meeting; Sidney, Australia, July

2002 “Solving PDE’s With Iterative Algorithms,” Inv. Speaker-ICM 2002; Beijing, China; Aug

2001 “On the Use of Iterative Methods for Solving PDE’s ” 5th Bouchet Conf., Benin, Africa; Aug

1999 “Using Numerical Algorithms for Solving PDE’s” U of the Western Cape; Cape town, ZA

## 1999 “Using Multigrid Methods for Solving PDEs;” U of Cape town; Cape town, South Africa; July

1999 “Using Multigrid Methods for Solving PDEs;” U of Ghana, Accra, Ghana; July

1998 “Fractals as Dynamical Systems” 1998 The 3rd Bouchet Int’l Conf. Gaborone, Botswana, Aug

1995 “Categories and Functors” 4th Pan African Congress-Mathematicians; Ifrane, Morocco, Sept 1994 Presenter, International Congress of Mathematicians (ICM), Zurich, Switzerland, July

1990 Presenter, International Congress of Mathematicians, kyoto, Japan, August

1982 Presenter; “Mathematical Programming;” Bonn, Germany, February

B 30 SELECTED USA PRESENTATIONS BY J. L. HOUSTON/SOME INCLUDING UNPUBLISHED RSCH

2023 Math Alliance, 2023 Field of Dreams Conference, Keynote Speaker, GA St. Univ., Nov. 5,

2023 Purdue University Annual Johnny L. Houston Mathematics Lecture Series (JLH 1st SPKR),

Purdue U., W. Lafayette, IN “Investigating-Visualizing Infinity in Finite Space” February 9

2020 Nit Spier, -Pomona Coll, CA, “12 African Am Pioneers-Mathematicians, Who Inspired Me,” J

2019 NAM-MAA-David H. Blackwell Lecture at MAA MATHFEST/NAM 50th Anniv./25th Blackwell Lecture

Cincinnati, OH “Durene’s No Three-In-Line Problem: Solutions, Conditions, Progress and Conjectures,

2019 Solomon Spir, U of SC, Colombia, SC, “Some of the Joy and Beauty of Mathematics,” May

2016 ECSU Annual Johnny L. Houston Mathematical Sc Colloquium (JLH 1st SPKR),

ECSU, Elizabeth City, NC “The Proof of Three Unique Theorems in Mathematics,” October

2010 The C. B. Dansby Lecturer/unveiled C. B. Dansby Exhibit. Morehouse Coll, Atlanta, GA Apr

2001 GAAN Seminar Presentation” Purdue University; (IN); September

2000 “Numbers that Count-Persons Who Impact, mathematically;” CAARMS-6, Baltimore. MD

1999 “ECSU’s Computational Sc.-Scientific Visualization Ctr”; ADMI’s Symp, Duluth, MN June

1999 NAM Cox-Talbot Address “The End of One Era, the Beginning of Another: San Antonio, TX

1997 J. Ernest Wilkins Lec. “Solving Problems in Discrete-Computational Geometry, ECSU, Oct.

1997 B. Reid Lec., FCRTE, Tools-Techniques in Computational Sc. for College Math. Tusk, AL, Apr

1996 “Update of The No-Three-In-Line Problem;" NAM’s David Blackwell Lec, Seattle, Aug.

1995 MAA Sectional: "Stirling Numbers and Polynomials Over a Field," Ashville, NC; April

1994 "The Establishment of an Institute for Computational Sc/Eng.," Howard U., DC; Sept

1994 "The Study of Patterns in DNA Sequence Analysis", Sampson Lecture, Bates Coll, ME, Mar\*

1994 "Computational Sc. A Simulation of Reality", Stillman College, Tuscaloosa, AL; March

1991 "Some Recent Results on the No-Three-In-A-Line Problem", Emory U., Atlanta, GA ; May\*

1991 "Math Modeling with Numerical Grid Generation Techn’es", U Delaware, Newark, DE; Apr

1991 "Workforce 2000, Educating Women and Minorities in STEM, San Diego St. U., CA Mar

1991 "Mathematical Modeling of Physical Phenomena with Comp. Graphics," U. Alaska-Fairbanks, Mar

1991 "Nurturing the Next Generation of Am. mathematicians, Especially Minorities, “Phil, PA, Oct

1990 "A Seminar in Numerical Grid Generation", Hampton University, Hampton, VA; Spring

1990 "Some Recent Trends in Numerical Computation", NC A&T St. Univ, Greensboro, NC Feb

1980 Using Sparse Matrices to Solve Least Sq. Prob..", Naval Weapon Ctr, China Lake, CA, May\*

1974 "On the Theory of Fitting Classes in Certain Locally Finite Groups", Auburn U., AL, Mar

1974 "Comparing Different Classes of Maximal Subgroups", Kansas St U, Manhattan, KS, Feb

1974 "Injectors in Fitting Class Theory," Oakland U, Rochester, MI, Feb

1968 “The Computer, the Future Custodian of Human Affairs,” Drew H. S., Tuscaloosa,

(I was requested to speak to 1500 H. S. students about something relevant to the future,)

J. L. HOUSTON (JLH) ONE PAGE SUBSET PAGE SS-4

1 – 2024 JLH CV-SUBSET SS-4 SELECTED PROFESSIONAL SERVICES-

1. SERVICES IN THE MATHEMATICAL SCIENCES COMMUNITY: CONTRIBUTIONS-INVOLVEMENTS :

|  |  |
| --- | --- |
| American Mathematical Society (AMS), Active for many years,  Association for Computing Machinery (ACM), Active for many years | Life Member |
| ASSOC. of Comp. & Inf./Eng. Dept.-Minority Institutions (ADMI), Active for many years  Association for Women in Mathematics (AWM), Active for many years  Benjamin Banneker Association (BBA), Active for several years  IEEE Active for several years | 2nd VP (1990-94) |
| Mathematics Association of America (MAA), Bd of Gov (1992-95)  Mathematical Sciences Research Institute (MSRI); Ad. Committee (1993-98) | Life Member |
| National Association of Mathematicians, Inc (NAM), ACTIVE FOR 55 YEARS  National Science Foundation, Active for many years | Life Member |
| National Council for the Teaching of Mathematics-NC (NCCTM), Active for many years | Active for years |
| National Institute of Health (NIH), Consultant-MARC Program in Math/Computer Sc.  National Science Foundation, Active for many years | Active for years |
| SLMATH Mathematical Science Institute Active in recent years | Since 2022 |
| Society for Industrial and Applied Mathematics (SIAM), Active for many years | Life Member |
| Advisory Committee - NC Supercomputer Center Active for a decade  Advisory Committee - Purdue U Mathematical Sciences Active (1999-2002)  American–African Universities Faculty (with APARC) Active for a Decade | (1994 - 2003) |
| African Presidential Archives and Research Ctr (APARC), Boston U-Amb. C. Stith | For a Decade |

B. SELECTED SERVICES-CONTRIBUTIONS-INVOLMENTS WITH THE NATIONAL ASSOC. MATH. (NAM)

2024 – Received NAM’s Highest Award: NAM’s Legacy Award; 2nd Recipient, Evelyn Boyd Granville (1st, 2019)

2024 - Retired from NAM’s Board of Directors, after 50 years of service on the Board between (1969- 2024)

2024 + NAM’s Executive Secretary Emeritus since 2000 (was selected to be NAM’s 1st active Executive Secretary)

2021 JLH Negotiated with Zala Films/MSRI that NAM would house the Bios from the making of the film JBM

2020….Zala Films/MSRI agreed that Houston would be primary advisor for “Journeys of Black Mathematicians”

2019 - Received NAM’s Co-Founder’s Award, one of NAM’s 17 Founders (1969), selected to preside over Founders

2019 Houston was acknowledged as NAM’s Official Historian

2019 – Present, JLH named Chair, NAM’s Historical-Archival Committee (HAC), Sylvia Bozeman, V Chair

2019 Houston selected Robert W. Woodruff Library and Research Center as repository for NAM’s archives

2018 Co-Chair of the Committee to establish NAM’s Clarence F. Stephens-Abdullah A. Shabazz Teaching Award

2017-19, Co-Chair, NAM’s Golden Anniversary Endowment Campaign (Sylvia Bozeman, Co-Chair)

1999 Received NAM’s Lifetime Achievement Award, the 7th recipient

1998 Co-Chair of the Committee to Plan-Coordinate NAM’s first 7 U Grad MATHFest

1996 Co-Chair of the Committee to establish NAM’s Haynes-Granville-Browne Presentation for new PhDs

1993 Co-Chair of the Committee to establish NAM’s David Blackwell Lecture (at MAA sum MATHFest)

1993 Co-Chair of the Committee to establish NAM’s J Ernest Wilkins Lecture (at NAM’s UG MATHFest)

1993 Co-Chair of the Committee to establish NAM’s Conference on Research and Teaching Excellence

1993 Co-Chair of the Committee to establish NAM’s Albert T. Bharucha-Reid Lecture (at NAM FCRTE)

1993 Co-Chair of the Committee to establish NAM’s Lifetime Achievement Award (given at NAM’s Nat’l Meet)

1992 Co-Chair of the Committee to establish NAM’s Undergraduate MATHFest Fall Research Conf. for students

1979 Co-Chair of the Committee to Plan-Coordinate NAM’s 10th Anniversary Conference, Boulder, CO

--THE CONFERENCE WAS FUNDED BY NOA, NAM 1st GRANT, OBTAINED BY B. STUBBLEFIELD AT NOA

1979 Co-Chair of the Committee to establish the NAM’s Claytor - Woodard Lecture

1979 Co-Chair of the Committee to establish NAM’s Cox-Talbot Address (given at NAM’s National Meeting)

1975-2000, First active Executive Secretary, National Association of Mathematicians, Inc. (NAM), served 25 years

1969 Co-Founder of NAM and Chair of NAM’s Group of 17 Founders (New Orleans, 26 Jan. 1969 at JMM)

J. L. HOUSTON (JLH) ONE PAGE SUBSET PAGE SS-5

V. 2024 JLH CV-SUBSET, SS-5, SELECTED ACTIVITIES-EVENTS AT ECSU, 1984-2024

A. 1984-1988, J. L. Houston was Vice Chancellor of Academic Affairs & Dean of the Faculty, ECSU

1. Required all print communication in Academic Affairs, via computers/(Typewriters, basically eliminated)
2. Reorganized and combined several academic units to provide better quality of service for less cost.
3. Expanded the Math Dept to Math and Computer Sc (after approval, Minor/Major in Computer Science)
4. Required Math/Computer Sc. Majors to do at least one external Summer Internship before graduation.
5. JLH was assigned as ECSU Laison to assist Architect Harvey Gant to design Jenkins Science Center
6. Required all Education Majors to pass the NTE/PRAXIS before awarded a degree in Education by ECSU
7. Negotiated (Pres. Spangler/Chanc. Jenkins) for 300 Scholarships Annually for NC students to attend EC
8. J. L. Houston served as Acting Chancellor during a Summer (1986) Commencement and awarded ECSU degrees

B. 1988-2010, Senior Research Professor of Mathematics and Computer Science, ECSU

1. J. L. Houston (JLH) taught a variety of classes in mathematics and computer sc, undergraduate/grad
2. JLH, annually, did scholarly work; attended professional meetings; and gave scholarly presentations 3. JLH wrote/received Contracts/Grants for support/production-scholarly activities/students, $10 Mil 4. JLH attended faculty summer fellowship and research programs to learn new things to share.
   1. Argonne National Lab, Chicago, IL, Parallel Computing Project [Summer 1999]
   2. NASA-Langley Res. Ctr., Hampton, VA, ASEE Fac. Fellow Comp. Graphics [Sum 1989/90]

C. Major Scholarly Activities – Research Programs Established and Directed by JLH at ECSU

1. 2004-10, Directed ECSU’s GLOBAL LEADERSHIP ACADEMY (GLA)
2. 2003-10, PD USAID-ECSU-SENEGAL TLMP ($10-Millions-Grants/5 Million Books Prod./Del.)
3. 2002-2010, Directed - ECSU’s African Studies Program
4. 2002-09, Directed ECSU’S Computational Sc.-Scientific Visualization (CSSV) Center, sum/NAM

D. Selected Professional Organizations-Affiliations Served by JLH while at ECSU

1. American Mathematical Society (AMS)/Life Member; Assoc’n for Computing Machinery (ACM)
2. Association of Comp. & Inf./Eng. Dept.-Minority Institutions (ADMI) 2nd VP (1990-94)
3. Association for Women in Mathematics (AWM), Benjamin Banneker Association (BBA)
4. Mathematics Association of America (MAA) /Life Member/Bd of Gov (1992-95)
5. Mathematical Sciences Research Institute (MSRI); H.R. Advisory Committee (1993-98)
6. National Association of Mathematicians (NAM)/Co-Founder/Life Mem/Exec. Sec. (1975-2000)
7. Society for Industrial and Applied Mathematics (SIAM)/Life Member

8. Faculty Policy Working Group, American– African Universities Alliance.

10.African Presidential Archives and Research Ctr (APARC), Boston U, with Amb. Charles Stith

E. Selected Recognitions/Awards J. L. Houston Received from/Associated with Activities at ECSU

1. 2024, a STEM Lecture – Classroom: 225 Dixon-Patterson was named in Honor of J. L. Houston
2. 2016 ECSU Established - annual Johnny L. Houston Mathematical Sciences Lecture (JLH 1st)
3. 2016 Johnny L. Houston Established a $50,000 STEM Endowment at -ECSU in his name
4. 2009 JLH Received ECSU 2009 Foundation Award–Philanthropy (largest donation by a faculty)
5. 2008 JLH Invited to the White House (State Dinner), Honoring Pres. John A. Kufour of Ghana
6. 2004 JLH Received ECSU Chancellor’s Award – The second person to receive the Award
7. 1998 JLH Received NC Governor’s Award for Outstanding Volunteer Services
8. 1996 JLH Received UNC Bd. Of Governors Teaching Excellence Award & ECSU Teacher of Year
9. 1994 JLH was first listed in the World Directory of Mathematicians

1992 JLH was included in Who's Who in Ameri and in Who's Who Among Black American

J. L. HOUSTON (JLH) ONE PAGE SUBSET PAGE SS-6

1 – 2024 JLH CV-SUBSET SS-6 SELECTED ACTIVITIES-EVENTS, INVOLVING JLH AND NAM

A SELECTED RECOGNITIONS-ACTIVITIES-EVENTS THAT RELATE TO JLH AND NAM

2024 J. L. Houston published Evelyn Boyd Granville (1924-2023) Legacy in AMS Notices, Feb. ‘24

2024 J. L. Houston served on Panel of the Premiere Screening JBM in San Francisco, CA at JMM

2024 J. L. Houston Received NAM’s 2nd Legacy Award (50-yrs on NAM Bd), 1st E. B. Granville-2019

2020 JLH-Primary Consultant, MSRI/Zala Films Doc.-The Journeys of Black Mathematicians (JBM)

2019 J. L. Houston Received NAM’s Co-Founder Award-NAM’s 50th Anniv, Banquet, Baltimore

2018 JLH named Chair of NAM Historical -Archival Committee (HAC) (Sylvia Bozeman, V Ch.)

2018 Co-Chair of Comm. Establishing NAM’s Clarence Stephens-Abdullah Shabazz Teaching Award

2017-19, Co-Chair, NAM’s Golden Anniv. Endowment Campaign (Sylvia Bozeman, Co-Chair)

2000 J. L. Houston Retired, NAM’s 1st Active Executive Secretary-25 years of Service (1975-2000)

1999 J. L. Houston Received NAM’s Lifetime Achievement Award, NAM’s 30th Anniv-Banq, TX-Sa

1996 Co-Chair of the Comm. Establishing NAM’s Haynes-Granville-Browne Presentation by new PhDs

1993 Co-Chair of the Comm. Establishing NAM’s David Blackwell Lecture (at MAA sum MATHFest)

1993 Co-Chair of the Comm. Establishing NAM’s J Ernest Wilkins Lecture (at NAM UG MATHFest)

1993 Co-Chair of the Comm. Establishing NAM’s Fac. Conf. on Research and Teaching Excellence

1993 Co-Chair of the Comm. Establishing NAM’s Albert T. Bharucha-Reid Lecture (at FCRTE)

1993 Co-Chair of the Comm. Establishing NAM’s Lifetime Achievement Award (NAM’s Nat’l Meet)

1992 Co-Chair of the Comm. Establishing NAM’s Undergraduate MATHFest Fall Research Conference

1979 Co-Chair of NAM 10th Anniversary National Conference, Boulder, CO

1975 J. L. Houston Selected as NAM’s 1st Active Executive Secretary-Served 25 consecutive years

1969 J. L. Houston, Scott Williams, Jim Donaldson, Walter Talbot & 13 others Established- Founded NAM Jan 26, in New Orleans at the JMM

B SELECTED PUBLICATIONS BY J. L. HOUSTON, RELATED TO NAM

2024 Houston, J. L.; “The Legacy of Dr. Evelyn Boyd Granville” AMS Notices Vol. Feb 2024,

2023 Houston, J. L.; “Passing the Torch-NAM first 5 Decades” AMS Notices Vol. 70 – 2 Feb 2023,

2023 Houston, J. L.; “Remembering Prof. Aderemi O. Kuku” AMS Notices Vol. 70 – 2 Feb

2023, pp. 2020 Houston, J. L.; “The Founding of the Nat’l Assn of Math-s (NAM),” (AMS-CVM 759), pp 1-19,

2020 Houston, J. L.; “The First 50 Years of NAM,” (AMS-CMV 759), pp. 167-184,

2019 Houston, J. L.; “A centennial year (2019) reflection on the life and contributions of mathematician David H. Blackwell (1919--2010),” Notices Amer. Math. Soc .221--226, 66,

2019 Houston, J. L.; “The life and pioneering contributions of an African American centenarian: mathematician Katherine G. Johnson,” Notices Amer. Math. Soc. 324--329, 66,

2018 Houston, J. L.; “Clarence F. Stephens (1917--2018)”, “Notices, AMS. 848-- 849, 65, 2018.

2018 Houston, J. L.;“Ten African Am. Pioneers/mathematicians who inspired me, Feb AMS Notices

2002 The History of the National Association of Mathematicians, 1st 30 Yrs. (1969-1999)-BK; NAM

C. SELECTED GRANTS-CONTRACTS AWARDED J. L. HOUSTON THAT BENEFITED NAM

2005-2008 DoE [$750,000] ECSU’s Computational Science Initiative, PD

2000-2005 DoE [$1,000,000] ECSU’s Computational Science Initiative 2000 – 2005, PD

1997-2000 DoE [$75,000] NAM-ECSU 1997-2000 Fac. Reg. Conf. (Computational Sc.), Co-PD

1999 NSA [$50,000], Undergraduate MATHFest IX, NAM-Texas Southern University, PD

1998 NSA [$50,000], Undergraduate MATH Fest VIII, NAM-Benedict College-SC, PD

1997 NSA [$50,000], Undergraduate MATHFest VII, NAM-Elizabeth City State U, PD

1996 NSA [$50,000], Undergraduate MATH Fest VI, NAM-Xavier University-LA, PD

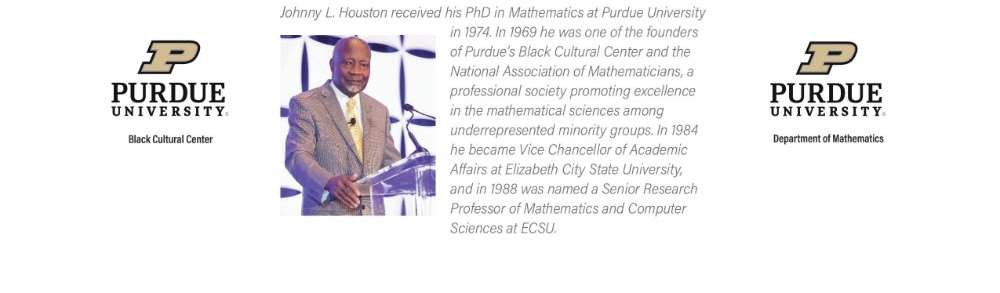
1996 NSA-DOD Mathematical Sc. Div. [$100,000]; NAM-ECSU 1996 Comp’l Sc. Sum Inst., PD

1995 NSA [$50,000], Undergraduate MATH Fest V, NAM-Clark Atlanta University-GA; PD

1994 NSA [$50,000], Undergraduate MATH Fest IV, NAM-NC A&T St. U", PD

1993 NSA [$38,500], Undergraduate MATH Fest III, NAM-Southern U., Baton Rouge, LA;" PD

J. L. HOUSTON (JLH) ONE PAGE SUBSET PAGE SS-7



2018 – 2023 LINKS TO VIDEOS OF SOME SCHOLARLY LECTURES BY HOUSTON

A. 2023 LECTURE “VISUALIZING INFINITY IN FINITE SPACE”

LINK TO THE VIDEOTAPE <https://youtu.be/gopYwHXPlWo>

THE ANNUAL JOHNNY L. HOUSTON MATHEMATICS LECTURE AT PURDUE U

(INAUGURAL LECTURE BY J. L. HOUSTON, FEBRUARY 9, 2023)

B. 2020 LECTURE “12 MATHEMATICIANS AND PIONEERS WHO INSPIRED ME”

LINK TO THE VIDEOTAPE <https://www.youtube.com/watch?v=mfK92cSVWfg>

THE PRIME COLLOQUA SERIES AT PROMONA COLLEGE IN CA

(INVITED LECTURER BY PROF. EDRAY GOINS AT PROMONA, JUNE 30, 2020)

C. 2019 LECTURE “THE NO-3-IN-A-LINE PROBLEM – CURRENT PROGRESS”

LINK TO THE VIDEOTAPE  [https://www.youtube.com/watch?v=8yOw93sjevo.](https://www.youtube.com/watch?v=8yOw93sjevo)

THE ANNUAL NAM-MAA DAVID BLACKWELL LECTURE AT MAA MATHFEST

(NAM 50th ANNIVERSARY, BLACKWELL 100th YEAR, 25th BLACKWELL LECTURE AUG 2, 2019)

D. 2018 LECTURE “THE BEAUTY AND JOY OF MATHEMATICS”

LINK TO THE VIDEOTAPE 0F <https://www.youtube.com/watch?v=pRK4uoeFqmw>

THE COMMERATIVE SOLOMON LECTURE UNIVERSITY OF SOUTH CAROLINA U

(INVITED AS THE SOLOMON COMMERATIVE LECTURER; 5-22-2018)

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“Journeys of Black Mathematicians,” A 2024 Documentary, J. L. Houston is a participant and primary consultant to the producer.

LINK TO THE MOVIE…… jbmfilm.com

