Curriculum Vitae

R. RUSSELL BETTS

PERSONAL:

Born - Harrogate, Yorkshire, England

Naturalized US Citizen

Physicist (1979-1988), Argonne National Laboratory
Assistant Professor of Physics, Yale University (1975-79)
Visiting Scientist, Niels Bohr Institute, University of Copenhagen (1973-75)
Postdoctoral Research Associate, University of Pennsylvania (1972-73)

SCHOLARSHIP:

My research interests have been wide-ranging in the fields of Atomic, Nuclear and High Energy Physics. My work is well known in the study of cluster structure in atomic nuclei and I am the discoverer of several important phenomena in this field. As spokesman of the APEX experiment, I spearheaded the U.S. effort to resolve one of the most tantalizing problems of atomic and nuclear physics the well-

Most recently, I led the ANL-UIC group in studies of high energy density QCD matter at (RHIC) and at lider (LHC). I am co-author of over 400 refereed articles and book chapters and have delivered more than 50 invited conference and symposium presentations at national and international meetings.

A complete record of my publications is available at:
http://slac.stanford.edu/spires/find/hepnames/www?rawcmd=find+name+betts

PROFESSIONAL ASSOCIATIONS:

Fellow, American Physical Society
Past-Chair, Prairie Section, American Physical Society
Member, Board of Directors URA Fermilab Research Associates
Member Advisory Board Perspectives Charter Schools/IIT

ADMINISTRATIVE ACTIVITIES & ACHIEVEMENTS:

IIT:

Strategic Planning:

Strategic Planning for College of Science and Letters.
Strategic Planning for IIT.

College Structure and Administration:

Office. Added new Associate Dean and staff.
Expanded College Board of Overseers from 5 to 12 members.

Deconstructed Department of Biological, Chemical and Physical Sciences.
Reorganization of reporting structure for research institutes.
Hired new Chairs of Computer Science, Humanities, Physics and Social Sciences Departments.

Resources and Budgeting:

Encouraged transparency in budgeting process.
Initiation of Responsibility Centered Budgeting.
Growth of revenues to accommodate cuts and shortfalls.
Managed enrollment planning and growth

Promotion and Branding the College:

Redefinition of College brand and promotional activities.
connecting the College to its roots in The Lewis Institute.
Initiated Distinguished Lectures across the disciplines.
Campus-wide lectures and discussions on topics of current interest.

Institutional Advancement:

Three endowed chairs secured, including the first endowed chair in the college and other major gifts.
Major gifts for facilities renovations.
Engagement of Alumni and friends through visits, events, personal communication and newsletters.
Definition of both short- and long-term philanthropic needs of the college.
Spokesperson for IIT at alumni and board events.
Planning for IIT Capital Campaign.

Educational and Program Development:

Leadership of IIT
Revision of General Education requirements and structure.
Development and growth of professional masters programs.
Development of new 4+1 programs.
Partnership with UK & Chinese universities
Transferred Masters in Public Administration to Business School.

Student recruitment efforts to grow the number of majors in the college.

Interdisciplinary Studies:

New programs in applied science, mathematical finance, and data analytics etc.
Math/Science Education programs for CPS teachers.
Supported symposia on

Faculty:

Hired 33 new faculty in past four years.
Initiated joint appointments between IIT - ANL, and Fermilab.
Faculty recognition and awards Fellowships, CAREER and OJI Awards
Rigorous process and standards for promotion and tenure.
Initiated formal faculty mentoring program.
Initiated teaching excellence and faculty teaching development program.
and Service.

Teaching Excellence and Recognition:

Task force on teaching excellence and effectiveness.
Annual symposium on teaching excellence, academic honesty.

Research Development:

Academic research infrastructure proposals to improve space and facilities.
Review and strengthening research centers.
Undergraduate summer research program.
Facilities renovation planning and fundraising.

UIC:

Strategic Planning:

Co-Chair of 2010 Strategic Thinking Committee Developed a new vision and statement of mission for UIC.
Coordinated Campus and Unit level Strategic Plans Based on Strategic

administrative units.
Chaired UIC Mission Revision Committee Formal
Statement.
Chaired UIC Peer Group Development Committee Identified peer groups for institutional comparison with UIC.
Strategic Plan Progress Reports the progress report for President White to present to the Board of Trustees.

Chaired All Campus Promotion and Tenure Committee.
Inaugural Chair of Campus Conflict of Interest Committee.
Campus Committee on Classified Research.
Nomination of faculty for national recognition awards.

Research Development:

Built research group in High Energy Nuclear Physics. Over $6M in funding.
Negotiated joint hires with national laboratories and bridging funds for new hires.
Recruited new faculty in diverse areas of scholarship. Winners of DoE OJI, NSF Career and Sloan awards.
Developed Program and Chaired 2010 Seed Grant Award Committee.
ical Translational Research Proposal and Seed Grant Program.

MAJOR COMMITTEE ASSIGNMENTS:

IIT:
Deans Council
IIT Strategic Planning Committee
Architectural Review Committee

College of Science and Letters Strategic Planning Group
Search Committee for Dean of Armour College of Engineering (Chair)
Search Committee for

Center Seed Funding Committee

Department
Departmental Advisory Committee
Education Policy Committee
Recognition Committee (Chair)
Computing and Shop Oversight Committee
Preliminary Examination Committee
Search Committee for Electronics Project Coordinator
Search Committee in High Energy Nuclear Physics (Chair)
Search Committee in Hadronic Theory (Chair)
Search Committee in Condensed Matter and Bio-Physics
Search Committee in Condensed Matter and Particle Physics (Chair)
Search Committee in Condensed Matter, Particle and Bio-Physics (Chair)

RESEARCH FUNDING:

UIC:
PI - Heavy Ion Nuclear Physics Research at UIC - DoE - $449,000 (1994-97), $850,000 (1997-2000), $1,338,000 (2000-2003), $1,355,000 (2003-2007), $1,683,000 (2007-2010)
US PI Joint US-Japan Seminar on Clustering in Nuclear and Mesoscopic Systems - NSF - $14,000 (1995)
PI Construction of PHOBOS Multiplicity and Vertex Detector DoE BNL - $198,000 (1998-2001)
PI Salary Support for Dr. Rachid Nouicer DoE BNL - $57,000 (2002-2003)

Oxford University:
PI - Consolidated Grant for Nuclear Physics UK SERC - £200,000 (1985-1986)

Yale University:
Co-PI on WNSL Nuclear Physics Grant DoE

TEACHING EXPERIENCE:

UIC:
Introductory Physics for Science Majors I, II and III,
Honors Introductory Physics I and II,
Non-Calculus Introductory Physics,
Nuclear and Particle Physics.

CETL Teaching Recognition Award 2003

Oxford University:
Fundamentals of Electronics,
Nuclear Physics,
College Tutorial Courses on Entire Undergraduate Curriculum.

Yale University:
Introductory Physics for Science Majors,
Physics for Non-Scientists,
Introduction to Modern Physics,
Nuclear and Particle Physics,
Graduate Nuclear Physics.