IU Bloomington's Rich Shiffrin receives prestigious David E. Rumelhart Prize

Shiffrin Awarded $100,000

Richard Shiffrin (BL), Luther Dana Waterman Professor of psychology and Director of the Cognitive Science Program at IUB, has been chosen to receive the David E. Rumelhart Prize, considered to be the equivalent of the Nobel Prize in cognitive science, for his outstanding contribution to human cognition. The prize is given by the Glushko-Samuelson Foundation and Cognitive Science Society. Professor Shiffrin is the second recipient of the honor which was established in 2000. The prize comes with an award of $100,000.

2001 Fall Dinner

This year’s October 15 Fall Dinner was well attended by approximately 170 Alliance members and guests. Dave Baker’s quintet (which included his wife, Lyda) delighted everyone with their performance during the reception. Following dinner in the IMU Tudor Room, Peter Bondanella (IUB) introduced Bloomington Chancellor, Sharon Brehm, who then gave a brief talk.
The next Fall Meeting and Dinner will be held on Monday, October 14, 2002, at the University Conference Center and Hotel in Indianapolis. IUPUI Chancellor, Gerald Bepko, will be hosting the event.

Please mark your calendars now and plan to attend. You will be receiving more information in the future.

Brehm that the spelling of Chancellor’s Professor for the Bloomington campus will be with an apostrophe’s (Chancellor’s) effective immediately. This is a change in the previous spelling of an apostrophe (Chancellors’) with the intention of being consistent with the other campuses.

New Wall Plaque

The Alliance office is collaborating with the Indiana Memorial Union to design a new wall plaque which will include titled/named professors on the Bloomington campus. These names were previously listed on the wall plaque titled Faculty with Distinguished Rank which will now list only those who hold the title Distinguished Professor. Chancellor Brehm’s office has kindly agreed to fund the project which is to be installed outside of the University Club in the IMU on the Bloomington campus. Our goal is to have something up by the first of the year.

Fall of 2002. You will be receiving information concerning the call for nominations after the Holidays. Please be thinking of members to nominate. The commitment to serve is for three years and consists of two meetings per year (one prior to the Fall dinner and the second in the spring). The ballot will include those members receiving the most nominations among those receiving at least two nominations from each campus.

As discussed at the October 15, 2001, General Business Meeting, candidates will be asked to make a brief statement about what they believe the Alliance’s goals should be and what their views are on various issues. We hope to share their statements with Alliance members via the Alliance website.

Membership Booklets

Starting in February 2002, the Alliance will begin updating their membership booklets (which we are sure most of you will agree needs to be done). This is a great opportunity for the members to update their present biographical sketches and for the new Alliance members to submit one. You will be receiving information

Chancellors’ vs. Chancellor’s

At the Alliance’s Steering Committee meeting this fall with Chancellor Sharon Brehm, it was decided by Chancellor

Alliance Co-Director Steps Down

We are sorry to announce that Peter Bondanella (BL) has found it necessary to resign from his position as co-director of the Alliance. Other commitments have made it difficult for him to find the time to do an adequate job. The Alliance extends their sincerest thanks to Peter for the work he has done and for his involvement in making the October 15 dinner a nice event.
from the Alliance office about the booklet after the Holidays. Please keep in mind that we will be asking for a **photograph** so have that favorite one handy.

**Note:** If you have a new E-mail address and/or home address, please notify the office so that we can update our files before sending out the information.

## Promotion of Excellence Award

Nominations are solicited for honorary membership in the Alliance and the Alliance's Promotion of Excellence Award in 2002. The Alliance is committed to the promotion of excellence at Indiana University. In keeping with this mission, members elect from time to time individuals to honorary membership in the Alliance and for the Promotion of Excellence Award.

To be eligible for these awards, an individual must have (1) pursued excellence in her or his own career; (2) facilitated the achievement of excellence in others; (3) created mechanisms at Indiana University that enabled others to pursue excellence; and or (4) moved an organizational unit at IU forward to achieve an outstanding reputation.

**Nomination Process:** Members wishing to nominate an individual to honorary membership and the Promotion of Excellence Award must submit an application that includes:

- Letter of nomination, describing in detail the candidate's accomplishments as they bear on the aforementioned criteria
- Letters of support from at least two other members of the Alliance
- Candidate's Curriculum Vitae
- Additional supporting evidence as appropriate

Nominations should be sent to Janet Black, Indiana University, Alliance Office, Poplars 823, IUB (47405) by March 1, 2002.

## Special Honors and Awards

**Lawrence H. Einhorn (IN),** Distinguished Professor at the IU School of Medicine, was recently honored with the Herman B Wells Visionary Award. The Award honors individuals who demonstrate entrepreneurial spirit and outstanding achievement.

**Ronald A. Hites (BL),** Distinguished Professor, has been honored with inclusion by the Institute for Scientific Information (ISI) in the group's new online data base of the world's most cited and influential scientific authors. Also honored, was IUB's John C. Huffman, IU Senior Scientist in Chemistry. For more information, please refer to ISIHighlyCited.com

**Rosemary Lloyd (BL),** Rudy Professor of French and Italian, was awarded the Litt.D for her work in 19th century French poetry and narrative. This is an advanced degree awarded on the basis of peer review of publications.

**Angela McBride (IN),** Distinguished Professor (Nursing), is the recipient of the first Melanie C. Dreher Outstanding Dean Award in recognition of her exceptional chapter support. The award provides recognition to nursing program administrators who develop and strengthen support of honor society chapters and work at the regional and international levels.

## New Members

We welcome the following new members to the Alliance:
Jerry M. Bergstein (IN) - Byron P. and Frances D. Hollett Professor of Pediatrics

Patrick Brantlinger (BL) - Rudy Professor of English

Edward Carmines (BL) - Warner O. Chapman Professor of Political Science and also the title Rudy Professor of Political Science

David W. Crabb (IN) - John B. Hickam Professor of Medicine

Clifford E. Dykstra (IN) - Chancellor’s Professor of Chemistry

Howard J. Edenberg (IN) - Chancellor’s Professor of Biochemistry and Molecular Biology

Miriam Fried (BL) - Otto Nothhacksberger Chair in Violin

Kenneth Gros Louis (BL) - Trustee Professor

Joan E. Haase (IN) - Emily Holquist Professor in Pediatric Oncology Nursing

Karen Hanson (BL) - Rudy Professor of Philosophy

Alon Harris (IN) - Letzter Professor of Ophthalmology

Joseph L. Hoffmann (BL) -

Harry Pratter Professor in Law

Kenneth R. Johnston (BL) - Ruth N. Halls Professor of English

Ilya Kaler (BL) - Linda and Jack Gill Chair in Violin

John C. Kincaid (IN) - Kenneth L. and Selma G. Earnest Professor of Neurology

Elisabeth A. Lloyd (BL) - Tanis Chair of History and Philosophy of Science

Mark A. Person (BL) - Malcolm & Sylvia Boyce Chair in the Department of Geological Sciences

Catherine Pilachowski (BL) - Daniel Kirkwood Chair in Astronomy

David L. Ransel (BL) - Robert F. Byrnes Professor of History

W. Eugene Roberts, Jr. (IN) - Joseph R. and Louise Ada Jarabak Professor of Orthodontics

Karen L. Roos (IN) - John and Nancy Nelson Professor of Neurology

John L. Schilb (BL) - Culbertson Chair of Writing

Rowland A. Sherrill (IN) - Chancellor’s Professor of Religious Studies

Lee Suttner (BL) - Robert R. Shrock Professor of Sedimentary Geology

Kevin Young (BL) - Ruth Lilly Professor, Department of English

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In Memoriam

Franco Gulli (BL), Distinguished Professor and Dorothy Richard Starling Chair in Violin Studies

John I. Nurnberger, Sr. (IN), Distinguished Professor Emeritus, IU School of Medicine

Roy Sieber (BL), Rudy Professor Emeritus of Fine Arts

The Alliance extends their deepest sympathy to the above families.

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Profiles in Excellence

The following interviews were conducted electronically. The Alliance wishes to thank the members profiled for their participation.
Q. What are your research interest and the implications of your research? Your Mission?

A. My principal research interest is the development of mathematical and computational models of learning, memory, and decision. More broadly, I am concerned with methods of model testing and the application of models to research problems over a wide range of behavioral, cognitive, and social sciences.

A long-term side interest is the promotion of collaborations and other interactions between American scientists in my field and counterparts in China, Poland, Czechoslovakia, Russia, and other republics of the former Soviet union.

Q. Talk about your department and where it fits into your research. Speak to the meaning of excellence in your life and work.

A. Following my initial faculty appointment in 1946, the Psychology Department at IU provided an extremely stimulating and supportive environment for the development of my early career in teaching and research over the next 16 years. Then, wisely or not, I left for tours on the faculties of Stanford, Rockefeller, and Harvard Universities.

Though my experiences in all of those institutions were rewarding, I was happy to return to IU in 1999. My current appointment as Distinguished Scholar is jointly in Psychology and Cognitive Science, both of which are outstanding in the areas most relevant to my research. Though I no longer teach formal courses, I enjoy consulting on research problems with graduate students and postdocs, thus continuing to contribute to the cultivation of excellence that marks IU’s long term tradition in these areas.

Q. What are your interests outside of research?

A. Foreign travel and enjoyment of IU's unmatched offerings in music.

Q. Mention special honors.

A. Perhaps my most cherished academic honors have been election to the National Academy of Sciences in 1963 and the award of the U.S. National Medal of Science by President Clinton in 1997.

Beyond its honorific aspect, membership in the Academy has given me numerous opportunities to serve on boards and committees with missions of briefing government agencies about the nature and resources of cognitive science, furthering applications of behavioral and cognitive science to problems of national concern, and engaging in programs for cooperation among scientists of different countries on issues of international security.

Q. What are your interests outside of research?

A. Foreign travel and enjoyment of IU's unmatched offerings in music.

Q. Mention special honors.

A. Perhaps my most cherished academic honors have been election to the National Academy of Sciences in 1963 and the award of the U.S. National Medal of Science by President Clinton in 1997.
agreed to share an online version of a recent interview (below):

**The Interview:**

Children and adolescents with cancer and their families encounter tremendous challenges during the course of the disease. Some of these challenges may continue for years as a result of the better treatments and earlier diagnoses that have recently led to higher long-term survival rates. Nurses and other health care providers can be very important in helping these individuals deal with the experience of childhood cancer, avoid permanent adjustment problems, and, ideally, grow and become stronger in the process. The clinical question for care providers, of course, is exactly how best to help these children and their families.

Joan Haase, PhD, RN, and the first holder of the endowed Emily Holmquist professorship in pediatric oncology at the IU Sono, has built an impressive research career focused on “resilience” in adolescents with cancer. Resilience is defined as coming through the experience with a sense of confidence, self esteem, and the ability to transcend or rise above the illness so that the cancer and treatments are not all-consuming. Dr Haase believes that individual differences in factors that contribute to resilience may to a large extent explain the puzzling fact that illness severity and objective physiological data are very poorly correlated with patients’ feelings of well-being. Furthermore, research indicates that health care providers, by “connecting” with the patient and family, “can be an incredible source of encouragement” in developing resilience.

In the “Adolescent Resilience Model” that she has developed, Haase postulates how particular individual, family, and social factors (notably including interactions with health care providers) work together to determine resilience. Although some risk variables are included in the model, the emphasis is on “protective” factors, i.e., those that promote positive adjustment and, importantly, that might be enhanced by nursing interventions. Haase is currently completing a large longitudinal study, funded for 5 years by the National Cancer Institute, describing the patterns of adjustment for adolescents with cancer during the first year after their diagnosis in terms of the adolescent resilience model. Her next large study will be aimed at assessing the effectiveness of interventions tailored according the “resilience profiles” of individual patients and families. These profiles will provide care providers with a rich description of the adolescent and family perspectives, strengths, and resources, both inner and external, which can then be used as a way of opening meaningful dialogue about the illness and building on strengths the adolescent and family bring to the situation.

Dr. Haase’s current work is both interesting and potentially important for improving nursing practice, and her ultimate goal from the beginning has been unchanged: to develop nursing interventions that will improve the quality of life of children with chronic disease and their families. However, since her research program is a textbook example of how to carry out the foundational work usually required before intervention studies are possible, it is also instructive to examine the important “building blocks” she used along the way.

An essential requirement for a nursing research program that will be useful to practitioners is that the problems being addressed grow out of actual clinical experience. In her current work Haase draws heavily on early experiences as a staff nurse, clinical specialist, and teacher in pediatrics. Across the clinical settings
where she worked, she found a great need for more consistent and systematic psychosocial assessment and support for chronically ill children and their families. This stimulated her interest in finding a way to standardize such assessment and, in turn, developing a sound, holistic theoretical model that could provide the framework for designing interventions tailored to the needs of individual children and families.

A second requirement for a successful researcher is acquiring the necessary skills and knowledge. After receiving a baccalaureate degree from Cornell University in New York and taking advantage of the fact that her husband’s work involved regular moves, Haase was able to complete the rest of her education in different institutions and parts of the country: a master’s degree from the University of California, a doctorate from Texas Women’s University, and a postdoctoral fellowship from the University of Arizona. Although this type of background is not always possible for researchers to arrange, it is ideal because exposure to the differing strengths and ideological leanings of various institutions, as well as to differing practice norms around the country, contributes to an appreciation of the diversity of intellectual and practical perspectives.

As a part of her educational preparation, Haase deliberately tried to acquire skills in different research methods. She was an early chair of the qualitative research section of the Midwestern Nursing Research Society (MNRS), and her dissertation study used a phenomenological approach to look at a concept she labeled “courage” in chronically ill adolescents. Haase was one of the earliest nurses to write about phenomenology, which is perhaps the most subjective of the qualitative approaches and the one that requires the most “use of self” by the researcher. However, she soon came to believe that the greatest understanding of phenomena could be obtained with the use of both qualitative and quantitative methods, and she has had a continuing interest in determining how to mesh their use to best advantage, both theoretically and in conducting her own studies. Two of Haase’s articles in the late 80s, respectively on reconciling the paradigm assumptions of qualitative and quantitative research and on guidelines for integrating the two methods, were early contributions to the theoretical nursing literature on this topic.

Another important building block in Haase’s research program was that of model development and testing. It was of course essential, if she were to develop effective interventions to improve quality of life for adolescents with chronic diseases, first, to understand what good quality of life means in that context and, second, to identify those factors and processes related to it. Synthesizing information from the literature, from her clinical experience and, most importantly, directly from adolescents with cancer and their families in focus groups and interviews, Haase systematically worked on both of these questions for a number of years, in a series of qualitative and quantitative studies and in a back-and-forth rather than strictly inductive or deductive fashion. In relation to the outcome variable of interest - quality of life - she found a great deal of confusion in the literature and much theoretical speculating that did not seem to “ring true” in the context of adolescents with chronic disease. However, she identified a number of factors that did seem to be potentially important in this context, foremost among them being resilience, and she developed hypotheses about how they might be working together to determine quality of life. Some of these concepts were well defined in the literature. Others
had not been described, or at least not satisfactorily operationalized, and therefore needed to be explicated in the context of her research focus so that her model would be conceptually clear, true to reality, and measurable. This she did, along the way publishing theoretical guidelines for achieving conceptual clarity in relation to quality of life in general and also in children and adolescents with cancer.

One problem that Haase and her colleagues encountered was that some of the concepts they wanted to use overlapped considerably in definitions and/or were highly interrelated. They developed a strategy called “simultaneous concept analysis” to address this problem. The strategy was used, for example, to simultaneously define and differentiate four closely related concepts they believed to be part of resilience in adolescents with chronic disease: spiritual perspective, hope, acceptance, and “self-transcendence,” i.e., the ability to transcend the symptoms of the illness. Since the problem of confusing and inconsistent terminology is very common in nursing, often interfering greatly with clear communication and understanding within the discipline, the articles published by Haase on

simultaneous concept analysis during this period were another important contribution to the theoretical nursing literature.

A final building block needed before Haase could begin developing and testing actual interventions related to measurement of model concepts. For credible data, every concept in her model had to be measured accurately and such instruments did not always exist or had not been used in the context of adolescents with cancer. Therefore, Haase set about systematically determining which instruments could be used directly for her purposes, adapting others, and developing still others herself. Instruments in the last category included those to measure self-perceived courage in adolescents with cancer, adolescent and family perceptions of family strengths, and adolescent and family perceptions of social support from health care providers. Interestingly, instrument development is an example of research in which joint use of qualitative and quantitative methods is essential. Qualitative data must be used to develop scale items and then empirical methods must be used to test scale reliability and validity.

Although final data analysis for Haase’s longitudinal study has not been completed, preliminary analyses show that the years of painstaking preliminary work have more than paid off. The model has been able to predict as much as 63% of the variability in quality of life in adolescents with cancer, showing that the theoretical concepts and relationships in the model are indeed true to the experience of these individuals. Since the major emphasis in the model is on protective factors that potentially can be strengthened, Haase is close to reaching her lifelong research goal. That is, now all of her efforts can be directed toward developing nursing interventions aimed at enhancing these protective factors and then testing them to determine the extent to which they will be clinically useful in improving the quality of life of adolescents with cancer.

Faculty at the IUSON are very excited about having Dr. Haase join them at this stage of fruition in her research program, and many at the school are looking forward to collaborating with her in future work.

Letters to the Editor

The Steering Committee invites the general membership to
contribute “letters to the editor.” The topics should be related to the mission of the Alliance. Given our sparse publication schedule, the letters ought to address concerns that will be of relevance after a delay of weeks or months. Such letters provide a means for members not on the Steering Committee to play a role in setting policy and priorities, and we encourage you to make such a contribution. Please send letters to the Alliance office, Poplars 823, IUB, Fax: 812-855-5767 or E-mail to alliance@indiana.edu

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ELECTIONS

Elections for the new Steering Committee and Co-Directors will take place in late summer and early fall 2002. Refer to page 2 for more information or contact the Alliance office.

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HOLIDAY CLOSING

The Alliance Office will be closed for the Holidays beginning with Friday, December 21, 2001 and will reopen on Wednesday, January 2, 2002. Have a Safe and Happy Holiday Season.

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BOOKLET UPDATE

You will be receiving information in the near future about updating the Alliance membership booklet. At that time, we will be asking for a photograph (formal or casual, wallet size will do).

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REMINDER

Nominees for Promotion of Excellence and Honorary Membership deadline is March 1, 2002! For more information, refer to article on page 3 of this newsletter or contact the Alliance office.

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