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Wafaa Midani’s art a triumph over grief and sadness, page 6

FOCUS — in seven issues a year — is a publication of the faculty and staff of Carnegie Mellon University. Volume 34, No. 1, October 2004

Who’s who of who’s away

Omer Akin, professor in the Architecture Department, will be on sabbatical during fall 2004 in order to complete a manuscript entitled Ethical Decision Making – Theory and Cases for the Building Industry. This work began almost a decade ago in his graduate student days, and the evolution of developmental processes, signaling pathways, morphogenesis, animal development, including gene networks, signaling pathways, morphogenesis and the evolution of developmental programs. The work will be carried out at the Jackson Laboratory and the University of Maryland’s Bioengineering Program.

Professor Covey, professor in the Department of Philosophy will be on leave in the fall 2004 semester in order to complete his book, Gun Control: For and Against as part of the Rowman and Littlefield series. Point/Counterpoint: Philosophers Debate Contemporary Issues. He will also be writing three derivative articles for publication based on research for this book and the related research for his courses. The articles are to be entitled: “Ban All Guns or None: Sportspark Purpose’ Firearms Have Neither Special Merit nor Special Immunity,” “Renew the Assault Weapon Ban? Why not? What’s at Stake?” and “What’s a Pre-emptive Strike: The Law and Ethics of Self Defense Redux: The Case of Battled Women Compared with George W’s War in Iraq.”

Michael M. Domach, professor in the Department of Engineering, will pursue a sabbatical in Istanbul and a Laboratory at the University of Maryland’s Bioengineering Program to pursue advanced study in genomics and to scope out the need for publishing a primer on Biomolecular Engineering Fundamentals.

William Eddy, professor in the Department of Statistics will be on leave for the 2005 calendar year. He will spend the time in the Department of Neurological Surgery at the University of Pittsburgh. He will study magneotactopcephalography, a tool used for pre-surgical planning in patients with epilepsy or brain tumors.

Charles Ettensohn, professor in the Mellon College of Science, will be on leave during the 2005 semester to continue time studies on molecular mechanisms of early animal development, including gene networks, signaling pathways, morphogenesis and the evolution of developmental programs. The work will be carried out at Princeton University.

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Survey of satisfaction finds lack of collegiality, mentoring

How happy are faculty at Carnegie Mellon? How committed are they to remaining at the university? With the help of a grant from The Alcoa Foundation, the Eberly Center for Teaching Excellence designed and conducted a research study addressing these questions. The intention was to better understand the sources of faculty satisfaction and dissatisfaction at CMU, as well as the reasons individuals decide to remain at or leave the university. To this end, we conducted a matched cohort study from the fall of 2002 to the spring of 2003. We chose to conduct extended interviews, instead of a survey, because we wanted detailed, context-rich data to clarify the subtleties and complexities of faculty members’ experiences (Lecompte and Preissle, 2003; Maxwell, 1996, Merriam and Associates, 2002). We interviewed 123 faculty members, half of whom had left the institution between 1991 and 2000 and half of whom had stayed. We initially sent out 131 letters of invitation to former faculty, followed by a phone call or e-mail message, and received a very positive response: 95 percent of the first 77 former faculty we contacted (and 89 percent of the current faculty we contacted) agreed to be interviewed, although we limited the total number due to time constraints. Those faculty who stayed were matched with faculty who left by year of appointment and department and, when possible, by gender and race (although this was not always possible in small departments or for years with fewer new hires).

Respondents were asked to describe their experience at Carnegie Mellon and any significant factors or critical incidents that had an impact on their experience. They were encouraged to tell their stories in their own way, so as to illuminate the events and issues that were most relevant to them. The data obtained were useful along two dimensions. First, each narrative revealed the chronology and complex interaction of events in a faculty member’s personal and professional life, as well as how faculty interpreted these events and made decisions. These narratives also served to clarify the particularities of issues relevant to faculty members; we were able to see, for example, exactly what various faculty members perceived to be fair or unfair behavior on the part of department heads, what sorts of mentoring had proven useful to them in specific circumstances, etc. Second, each interview could be coded to facilitate comparison across interviews and thus identify patterns that spanned departments and years and related to features of institutional organization and culture. Like quantitative survey data, this approach to coding allows for broad comparisons, but has the advantage that the coding categories emerge from the data themselves and do not impose the expectations or cognitive categories of the researchers.

Interestingly — and contrary to expectations — there was very little difference between former faculty and current faculty in terms of sources of satisfaction and dissatisfaction. In other words, it was not the case that dissatisfied faculty left the university while satisfied faculty stayed. In fact, in regard to some issues, levels of dissatisfaction were higher among current than among former faculty. In both these groups, four

continued on page two
The issue most frequently mentioned by faculty in relation to job dissatisfaction was lack of collegiality — incivility within departments, lack of intellectual community, and preoccupied or disinterested senior faculty: i.e., senior faculty who are too busy to provide advice, feedback or recognition to junior colleagues, or are simply not interested in their work. 

The second issue that significantly contributed to faculty dissatisfaction was ineffective leadership. A unique feature of Carnegie Mellon is its highly decentralized administration with shared governance and a decentralized atmosphere. In this study, departmental atmospheres were the focus of announcements and discussion. We anticipated that the nature of departmental culture would negatively affect faculty satisfaction. We did not anticipate the substantial erosion of morale that occurred when senior colleagues lacked the time, energy, or will to notice and discuss colleagues’ work, to collaborate on projects or simply to socialize. By the same token, a number of senior faculty members who stayed described withdrawing from collegial relations because of disillusioning experiences of their own. The sources of senior faculty disengagement along with their impact on junior faculty were thus striking features of university life that emerged in this study.

A second issue that significantly contributed to faculty dissatisfaction was ineffective mentoring. It became clear from our interviews with faculty who had received effective mentoring, as well as faculty who had not, that junior faculty benefited tremendously from having strong mentoring relationships. Our research indicated that a significant source of faculty dissatisfaction was the sense that necessary help and advice were not available at key points in the professional trajectory. Faculty noted, moreover, that a diverse range of mentoring was necessary: they needed advice not only in intellectual and professional matters, but also help in navigating departmental politics and handling demands of work and family. The following are identified as areas where mentoring had been found to be lacking: 

• Guidance on different aspects of work: e.g., feedback on proposals, papers, courses, etc. 
• Help in setting priorities: e.g., advice on where to put time and energy (committee work, outreach, establishing professional connections, teaching, etc.) in determining when to say no; and 
• Help in navigating departmental politics: e.g., assistance in identifying and raising sensitive political issues within the department.

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John Gaasper, a Ph.D. student in SDS, has been piping at Carnegie Mellon since 1996. On an unseasonably warm afternoon, he tuned up behind the Old Student Union, where the pipe band has its practice space. The pipers have found that the high walls of Purnell Center are great for bouncing notes across campus. When "Scotland the Brave" is echoing through the hollow of the "Brass" Mellow, new and old students always know, rankings aside, that they are not at CalTech or MIT. Photo: Brian Connely.

**Who’s who of away’s way, 2004-05**

continued from page one

**CMU**

Christopher Genovese, associate professor in the Department of Statistics, will be on leave for the 2004-2005 academic year. During his leave, he will collaborate with cosmologists to study the cosmic microwave background. He needs students who know about concepts in particle physics as well as those who can generate innovative ideas for analyzing brain imaging data.

**Robert Kast**

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**Elaine King**

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**Kathy Newman**

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**Clayton Merrell**

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**Edward Rubin**

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**Francisco Veloso**

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**Marianna Vuckovic**

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ON THE JOB

Give to the food drive

Carnegie Mellon’s 11th Annual Food Drive, sponsored by Staff Council, is scheduled for November 1 to 2. Boxes and barrels will be located throughout campus buildings, and you will see reminders throughout the food drive in various ways. The committee encourages you to help make this year’s food drive the most successful yet.

Demand for food assistance in our area is higher than usual due to the severe flooding experienced in mid-September. So, let’s add to the campus community’s generous participation over the past 10 years that has contributed a total of 41,443 pounds of non-perishables, along with cash donations, to the Greater Pittsburgh Community Food Bank.

Although you can participate anytime throughout the drive, the One Day, One Can event will be held in conjunction with the Human Resources Benefit Fair on Wednesday, November 3.

A Food Drive table will be set up outside the Rangos Ballroom, located on the second floor of the University Center, for you to deposit non-perishable items and sign up for the annual raffle.

The Greater Pittsburgh Community Food Bank, located in Duquesne, distributes food to approximately 350 agencies, including food pantries, soup kitchens and shelters. Drives like ours help the Food Bank to serve approximately 350 agencies, including food pantries, soup kitchens and shelters.

The Food Bank is a member of America’s Second Harvest, a national network of food banks, which is part of the National Anti-Hunger Organizations (NAHO). In June 2004, the NAHO released A Blueprint to End Hunger, which states, “We all are responsible for ending hunger, and if we are to solve this problem, we all must work together.”

To learn more about the Greater Pittsburgh Community Food Bank, please visit www.pittsburghfoodbank.org.

If you are interested in helping with this year’s drive, please contact Gloria Dadowksi at dadwok@andrew.cmu.edu, Tara Klim at tma@sci.cmu.edu or Carole Panno at cp1g@andrew.cmu.edu.

JASON BUGG

Open Access Forum

October 25, 2004 1-2:30 p.m. Posner Center

The National Institutes of Health (NIH) has opened a 60-day comment period on a proposal to make final manuscripts of all NIH-sponsored research freely and publicly accessible within six months of publication. See http://grants.nih.gov/grants/guide/notice-files/NOT-OD-04-064.html.

Join the Open Access Forum to discuss latest developments and explore issues around the availability of scientific and scholarly texts.

Panelists—

Mark S. Kamlet
Provost, Carnegie Mellon University

Davienne Menfee
Director of Library Relations for the Americas, Elsevier Ltd.

Clifford A. Lynch
executive director, Coalition for Networked Information (CNI)

Mary Jo Dively
vice president, Carnegie Mellon University

Tired Kitty

Kitty doesn’t know anymore than anyone else why a chair appeared on the Cut early in October. Kitty does not understand art installations, but she knows a nice warm place to curl up after a hard day.

Photo: Brian Connolly

For more information regarding the 2004-2005 Faculty & Staff Annual Fund and/or if you are interested in serving as a volunteer for this effort, please contact Carole Panno in the Office of Annual Giving at 8-617 or cp1g@andrew.cmu.edu. You can also visit www.cmu.edu/give/info for more information or to make a gift online.

The members of 2004-05 Faculty & Staff Annual Fund Committee are co-chairs Larry Cartwright and Everett Tadem; and members Bill Brown, Jennifer Church, Carol Clark, Jim Garrett, Eric Grotzinger, Ivan Howard, Erika Linke, Joan Maser, Michael Murphy, Joseph Pastorik, Walter Schratt and Marilyn Thomas.

CAROLE PANO
A Guide to Technical Food Terms Used in the Column

- **Crap**: definitely not AT or MiM and probably lower than edible.
- **Edible**: won't immediately cause brain damage or organ loss.
- **MiM**: melts in the mouth. Not generally used, but useful when describing very soft or delicate dishes.
- **AT**: like gumming an angelic body part. Seldom used. Acceptable alternative equivalent: caressing.
- **Almost, not-un, etc.**: a way to indicate something that is not quite as good as it could be, but still quite enjoyable.
- **Almost good enough, even though it seemed a bit too hot. We agreed that it was hot, but not too hot. The heat did seem to disguise any tamarind flavor however, and there was probably too much of the sauce on the small piece of halibut—could it have been slightly overcooked? Frozen too long? Thawed too quickly? Something like that.

There was a special appetizer: it called a fresh roll? Lots of textures and flavors in a fresh wonton wrapper and presented sliced, like maki, very good. The salmon main course was good too, but we can't remember the name of the sauce (it was green). It wasn't mentioned in the P-G review. [www.post-gazette.com/pg/04191/343550.stm]. Salmon was rubbed in spices, cooked until just opaque, not overcooked. Spicy but not overwhelming. Differed from more traditional Thai restaurants in that they don't ask about levels of heat. Came with a little steamed rice and some crunchy asparagus tempura. Both the side dishes (the crab fried rice and the little fried green things) were excellent. Coconut ice cream for dessert was creamy and not too sweet.

We'll go back, and look forward to checking it out for lunch as well.

We're pleased to learn that the Cultural Collective of Bloomfield. As its name suggests, we're not particularly fond of Thai Food restaurants (we think they come from using that universal seafood substitute, which shouldn't really happen in a good restaurant. Reprocessed Boston Blue Fish by any other name is not crabmeat or scallops or anything else. The steak dish was good enough, even though it seemed a lot like bits of steak cut up, and therefore comes under the category of bah, better at home. Probably the best dish we had was the crab fried rice and the little fried green things) were excellent. Coconut ice cream for dessert was creamy and not too sweet.

We'll go back, and look forward to checking it out for lunch as well.

A good name of my weapon by doing good things,” Mikhali says that it is not his fault that his gun has spread all over the world. Of his vodka he says that it is best enjoyed with friends. That is probably true also of his gun, and he offers no views on how the two would mix. Nevertheless, we plan to send the Swift Vets a case of Vodka 47 as a precaution. And we contemplate further developments. How about a Remington cognac, Remi Martin perhaps. Or Jim Bowie knife beer: try Bowie Beer, a cut above the rest. We’re willing to wait for the Edward Teller Bloody Mary; and so on.

The fdec was composed in differing portions of Barbara Anderson (Drama), Cletus Anderson (Drama Emeritus), Jim Ferla (Music), Otto Foghus (GSW), Alan Kennedy (English), Janet Res (SEI) expand on the good name of my weapon by doing good things.” Mikhali says that it is not his fault that his gun has spread all over the world. Of his vodka he says that it is best enjoyed with friends. That is probably true also of his gun, and he offers no views on how the two would mix. Nevertheless, we plan to send the Swift Vets a case of Vodka 47 as a precaution. And we contemplate further developments. How about a Remington cognac, Remi Martin perhaps. Or Jim Bowie knife beer: try Bowie Beer, a cut above the rest. We’re willing to wait for the Edward Teller Bloody Mary; and so on.

The food was really good. The generous portion of shrimp tempura appetizer was perfectly done, light and not overcooked, with a tasty dipping sauce. The halibut dish was fine although the chili tamarind sauce caused us to discuss whether or not it was too hot. We agreed that it was hot, but not too hot. The heat did seem to disguise any tamarind flavor however, and there was probably too much of the sauce on the small piece of halibut—could it have been slightly overcooked? Frozen too long? Thawed too quickly? Something like that.

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We'll go back, and look forward to checking it out for lunch as well.

Now, to the really important culinary news that broke recently. We were delighted to discover that the renowned inventor of the AK-47, Mikhail Kalashnikov, has now invented a brand of vodka. He is quoted as saying: “I’ve always wanted to improve and expand on the good name of my weapon by doing good things,” Mikhali says that it is not his fault that his gun has spread all over the world. Of his vodka he says that it is best enjoyed with friends. That is probably true also of his gun, and he offers no views on how the two would mix. Nevertheless, we plan to send the Swift Vets a case of Vodka 47 as a precaution. And we contemplate further developments. How about a Remington cognac, Remi Martin perhaps. Or Jim Bowie knife beer: try Bowie Beer, a cut above the rest. We’re willing to wait for the Edward Teller Bloody Mary; and so on.

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Watfa Midani is a winner. A few years ago she lost her husband, Akram Midani, an excellent teacher and an extraordinarily cultivated man who served for almost two decades as dean of the College of Fine Arts at Carnegie Mellon. He was the guiding light of her life, and his death sent her into a deep depression. Before his death, however, he had urged her to continue painting, and this advice, together with her natural optimism, innate talent and harmonious temperament, produced a triumphant flowering of artistic achievement.

Looking at her paintings, I knew how the art critic Louis Vauxcelles must have felt in 1905 when he saw a classical bust in the style of the Renaissance sculptor Donatello exhibited in the same room as the violently colored canvases of Henri Matisse, André Derain and other revolutionary young artists. “Donatello au milieu des fauves!” he exclaimed—“Donatello among the wild beasts!”—thereby giving the new movement of Fauvism its name. Here, as in 1905, bright, expressive colors envelop the viewers and elevate their emotions. Midani has instinctively followed Matisse, who wrote, “We must learn how to discover joy in the sky, trees and flowers. How to draw happiness from ourselves, from a full day’s work and the light it can throw into the mists surrounding us.” She has discovered the joy of life by painting, and her paintings radiate joy. The viewer leaves the exhibition feeling uplifted—not, indeed, even a little dizzied from her intensely emotional transposition of nature and her powerful color.

As in her earlier work, Midani has drawn inspiration from Persian miniatures, Oriental faience, Coptic fabrics and other non-Western sources. She retains these superbly decorative qualities while adding some newly won insights: the picture becomes a spiritual space in which light and space are expressed and constructed by means of color, and the innovative use of Plexiglas sheets gives the image a greater illusion of depth. Although Midani treats colors like sticks of dynamite, the overall feeling of her work is fresh without being harsh because of the harmoniously arranged planes and rigorous composition. She transmutes the lines describing objects into artful arabesques that transcend their representational significance and directly affect the viewer’s sensibility. In the autonomous life of her ornament, color, line and light are never divorced from the object. Midani’s principal theme is nature: sunrise, sunset and especially fish in motion, whose forms display an endless variety of shapes and colors. The decorative value of these aquatic creatures occasionally transcends their representational import. They seem to be dancing to classical music, Oriental as well as Occidental, and the paintings convey the melodies themselves.

Her exhibition in June at the Miller Gallery was an artistic and personal tour de force, a hard-won victory over grief and suffering. It’s a pity that classes had already ended and students were not here to see this joyous exhibition. Hopefully, however, the larger community will be mobilized to celebrate Watfa Midani’s triumph.

Edith Balas

It’s my birthday!

Has it been 25 years? We’ve watched Navlab cruise Oakland and Dante climb Mt. Erebus. We’ve thrilled to the Mobots, cheered the Mars rovers and laughed at the antics of Valerie the roboceptionist. Here are just a few standout robotics projects from the last two decades.

**1980s**
- NAVLAB Vehicle
- CODGER Blackboard
- Ambler
- Driving Pipeline Architecture

**1990s**
- Autonomous Planetary Rover
- AUtomotive Run-Off-Road Avoidance system (AURORA)
- Autobrief
- Autonomous Land Vehicle In a Neural Network (ALVINN)
- ELVIS
- MANIAC
- ANDI
- ALS
- AMELIA
- Daedalus
- Dante II eight-legged volcano crawler
- HOUDINI

**2000s**
- Lunar Rover Navigation
- Mars Rover in Atacama
- Minerva
- Mobot Races
- No Hands Across America
- Urban Search and Rescue
- Xavier

**2020s**
- Dragon runner spy robot in Iraq
- EnviroBlimp
- Explorer: natural gas lines
- Nomad Antarctic explorer
- Pearl robotic nursing home assistant
- Personal Rover
- Robo origami
- RoboSoccer
- Sandstorm robotic racer
- Search and Rescue robots

Valerie

Above: Symphony Pastoral, one of the paintings included in Watfa Midani’s exhibit in June and July in Miller Gallery. Original in color. Photo courtesy Watfa Midani.
Second Annual Robot Hall of Fame Induction: Humans Celebrate Robots

It was a star-studded robotic evening with a very human touch. Luminaries from the scientific and entertainment world came together to celebrate the 2004 class of inductees into the Carnegie Mellon “Robot Hall of Fame”, a partnership program with the Carnegie Science Center and home to the hall. The inspiration for the development of the hall was credited to Jim Morris, former Dean of the School of Computer Science and now Dean of the SCS West Coast Campus. Inductees for this year are: ASIMO, Shakey the Robot, Astroboy, Robby the Robot and C-3PO. For details on each of the inductees and the Robot Hall of Fame, visit http://www.robottalloffame.org

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One robotic event often leads to another. The morning after the induction ceremony, Valerite, the Robotic Receptionist located in Newell-Simon Hall was being visited by none other than C-3PO, in the form of actor Anthony Daniels. I just happened to be in the area and to my delight found myself engaged in a dialogue with both humans and robots. C-3PO, a protocol droid known to all of us from his role in the Star Wars movie series, speaks 6M binary languages and is always working to bridge the gap between humans and robots. I experienced that charm and wit firsthand and can attest to his conversational abilities. Anthony Daniels, who has played C-3PO since 1976 came to visit the university after receiving C-3PO’s accolade to bridge that gap in person. He kindly autographed his picture for me and offered to record my answering machine message. He must be stuck on Tatooine because I’m still waiting for him to come and do the recording. Count me in as one human who believes both that he will bridge that gap and show up to record my message.

LYNN BERARD

Tepper School’s Finn Kydland, Alumnus Edward Prescott Win Nobel Prize in Economics

Finn Kydland, a professor at Carnegie Mellon’s Tepper School of Business and the University of California at Santa Barbara, and Carnegie Mellon alumnus and former Carnegie Mellon business school professor Edward Prescott, have won the Nobel Prize in Economic Sciences.

According to the Associated Press, the pair received the Nobel Prize for their work “that showed that driving forces behind business cycle fluctuations and the design of economic policy are key areas in macroeconomic research.”

Kydland and Prescott made fundamental contributions to macroeconomic analysis and the practice of monetary and fiscal policy in many countries, the Royal Swedish Academy of Sciences said in its citation.

“I am delighted to congratulate Finn and our alumnus and former faculty member Ed Prescott on behalf of the university. They continue a long tradition of path-breaking research in economics at Carnegie Mellon,” said Carnegie Mellon President Jared L. Cohon.


Kydland has done work on how the money supply affects the business cycle and on international trade.

Prescott, Kydland’s doctoral faculty advisor, earned a Ph.D. from Carnegie Mellon in 1967 and was a Carnegie Mellon professor from 1971-80. Currently a professor at Arizona State University, Prescott’s research has focused on what causes economic depressions, why some countries thrive while others stagnate economically, and what boosts a nation’s economic productivity.

Kydland and Prescott are the fifth and sixth business school faculty members to receive this prestigious distinction. Other Carnegie Mellon business school faculty Nobel laureates include: Herbert Simon (awarded 1978), Franco Modigliani (awarded 1985), Merton Miller (awarded 1990), and Robert Lucas (awarded 1995).

Other Nobel Prize winners with connections to Carnegie Mellon include faculty members Clinton J. Davison, 1937 in physics; John Pople, 1998 in chemistry; Walter Kohn, 1998 in physics; and alumni John F. Nash, Jr., 1994 in economics; and Clifford Shull, 1994 in physics.

“Profs. Kydland and Prescott reshaped the way all economists think,” said Tepper School of Business Dean Kenneth Dunn. “In true Carnegie Mellon style, they applied an analytical, quantitative and interdisciplinary approach to profound economic questions. I congratulate them both on this well-deserved recognition.”

This year’s prize is worth approximately $1.36 million, which will be shared by the two men. Additionally, each will receive a gold medal and diploma at a formal ceremony on Dec. 10, the anniversary of Alfred Nobel’s death in 1896.

MIKE LAFITTE
“Dialogue in a Landscape: The Kraus Campo, A Garden for Carnegie Mellon University” is an exhibition of drawings, plans and models created by artist Mel Bochner, landscape architect Michael Van Valkenburgh and his staff, showing the development of the design for the new garden, the “Kraus Campo.” The exhibition opened at the Regina Gouger Miller Gallery Oct. 8, and runs through Dec. 12.

The result of a collaboration between Bochner and Van Valkenburgh, the Kraus Campo has been conceived as a single integrated work combining art and landscape design. Rare among projects of this kind, it challenges the very definition of a garden: it is both garden-as-sculpture and sculpture-as-garden.

On the first floor of the exhibition, some of the early provocative ideas that did not make their way into the final Campo scheme are displayed — not realized because the designers’ concepts evolved or technical considerations prevented their inclusion. The exhibition also then illustrates the development of components of the Campo’s final design, showing the difficult process of design refinement to get each element just right.

The exhibition also features large-scale prints of Van Valkenburgh’s projects at other venues. These huge images, some as large as 9’ by 19’ are meant to invite viewers “into” the landscapes.

A new text work by Bochner, related to the Campo, will also be presented on the gallery’s third floor. The installation refers to the 6 by 58-foot-long, tiled quotation on the Posner Hall wall from the philosopher Ludwig Wittgenstein. In the garden the words of the quotation have been transcribed in reverse order, while in the gallery the letters have been transcribed in reverse order.

“I want these pieces to delay the viewers’ comprehension, stop them in their tracks for a minute. In a sense, they require deciphering that reveals “reading” as more problematic than it is usually taken to be. The viewer experiences momentary illiteracy, making the act of reading strange again,” said Bochner.

The Kraus Campo itself is located between the College of Fine Arts building and the Tepper School of Business. The area offers a meeting place symbolic of Carnegie Mellon’s multidisciplinary philosophy. Along the meandering paths of the garden and upon its central platform, students and faculty can relax at this communal crossroads of the arts, business, science and humanities.

At the heart of the garden sits the Campo, a 25 by 60 by 3-foot, tile-covered sculptural platform based on the shape of a French curve, a tool common to artists, architects and engineers alike. Black numbers imbedded in white tiles that cover the platform are indicative of the numerical sequencing patterns in much of Bochner’s art.

Bright orange pathways swing out from the center platform winding through drifting mounds of evergreen boxwoods, brightly flowered azaleas and semi-dwarf red level Japanese barberry. The designers chose these plantings for their visual qualities, hardiness and compatibility with the four seasons of western Pennsylvania. The composition of the plantings provides a counterpoint of colors and shapes that offer a different character in each of the four seasons.

Jill Gansman Kraus (A’74) and Peter Kraus of New York City have commissioned the garden. Jill Gansman Kraus is a Carnegie Mellon trustee who is dedicated to advancing the role of contemporary art in the life and environment of the university. She envisions a public art collection on campus that will both enhance and reflect the School of Art’s impact and preeminence in the field. The Kraus Campo is the first project in Carnegie Mellon’s plan to build a collection and to integrate campus life with the artwork of its renowned alumni.

For more information, visit www.cmu.edu/millergallery.

Photos: Lynn Berard