

G Laster (BA 2018) and Emily Golding (BA 2018)

Welcome to the eg&g Test. It's simple, like the Bob Stern Test ("Where's the front door?"), but more important.
Go ahead and open up your current project. Here's the test:

Does your proposed space subjugate transgender and gender non-conforming (GNC) people? We'll be more specific:

If the answer is one men's and one women's bathroom, you fail the test, meaning that your proposed space does indeed subjugate trans and GNC people. Extra points docked if you have urinals drawn into the men's, but not the women's, or if you have a baby changing station drawn into the women's, but not the men's. Don't even think about putting those symbols where 'female' is a stick figure with a circle skirt.

If this sounds harsh, consider first the struggles of being trans or GNC. Consider that gendered bathrooms are perhaps the foremost way that architecture and the built environment regularly inflict violence on trans and GNC bodies.

Bathrooms inflict gender in their stalls and signage. That the range of possible actions-directional door-opening, partitioned bowel-moving, mirror self-(dis)associating, general hygiene-doing, sudsy hand-wringing, paper towel basketball, etc - in gendered bathrooms is designed to be different conflates sex and gender. The two are not the same and neither is binary. Coercing people into spaces that negate their personhood is violence. Each "men" and "women" bathroom sign is a plaque honoring and perpetuating the erasure of trans, GNC, and intersex people. Each trip to relieve yourself as a trans or GNC person is a choice between the inward violence of denying yourself agency over gender identity and the external violence of being thought to be in the "wrong" bathroom.

Gendered bathrooms are manifestations of normative, patriarchal power structures that seek to subjugate trans and GNC people. They enforce "fundamental anxiety about gender ambiguity" that comes from "our cultural beliefs about the anchoring of social gender in our genitals and secondary sex characteristics." When architects design built spaces with gendered bathrooms, they reinforce

architecture's continued alliance with these power structures and cultural beliefs (see also: the canon).

The violence of gendering bodies extends in all directions, to everyone. People who binarily express gender, though their gender identities are predicated on the absence of other genders or no genders or multiple genders, experience this violence too. When we buy into "male" and "female," we limit the possibilities of our many selves, of multiplicitous personhood. G remembers an age at which they accompanied both parents to their respectively-perceived bathrooms, an age at which they were deemed agender, too young to be binarized. Both authors still see this today, children being socialized and gendered by the codes they learn from occupying bathrooms/These learned codes unrightfully inform our behaviors for our èntire lives.

The message to Trump in our studios is that "We Won't Build Your Wall." When we fail the eg&g Test, we do build his walls, though different ones than you might be thinking. We build the literal walls between traditionally binarized and essentialized genders, walls that exclude people who transcend the binary/essentialized system, walls that the federal government seeks to reinforce by denying public school students the right to use the bathroom of their choice. Even when you pass the eg&g Test,

you build those walls every time you step comfortably into the studio bathrooms, not questioning what they mean for trans and GNC students who are deprived of the right to safely use the bathroom without fear of being surveilled, accosted, or otherwise have their gender and gender expression policed by their cisgender peers. (In case you haven't noticed, the only gender neutral bathrooms in the whole building are literally buried out of sight in the sub-basement \nearrow (e.g., has seen a cockroach there) and / off-limits to students on the third floor.) Yes, this happens; yes, this happens in our building; yes, you are absolutely complicit in this violence. To change this, také the following to heart: it is your job as architects to design and celebrate gender-neutral bathrooms, and it is your job as people to celebrate that menstruation, standing to pee, changing diapers, applying makeup, and anything else (that happens in the bathroom) has no gender. It is your job to change those damn stick figure signs. Be radically free

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the mind is distinguished from the world of change perceived through the senses. The opposition of reality and appearance becomes the source of binaries, such as universal and particular, cause and effect, solid and void, presence and absence, mind and body. One of its most significant articulations is the duality of subject and object which has fueled the critical development of the theory of space. Heidegger proposes an alternative theory of space questioning the philosophical foundation of the dichotomy of subject and object. Following Kant, he embraces the role of space as an inner condition of experience, while, adding to this view, he suggests that space is defined by man's action of reaching out for things that exist in the objective world. On this account space stops being a permanent entity that floats above all beings, and human inner experience is projected onto the objective world through practical means. Existence s attributed to/interactive activity and empirical involvement with the objective world. Space is functional. He distinguishes between/three types of spaces: world-space as the external objective space, regions as imposition of human inner conditions, and Dasein's spatiality which describes a mode of human existence through activity which mediates between the previous two types of space. Such view does not deny objectivity or subjectivity altogether, but provides a synthesis of the two instead. The function of thinking out spreads subjective consciousness. As we act, we become spatial.

In his Four Key Terms in the History of Chinese Garden, Prof. Stanislaus Fung explains contradictory views of the world between Western canon and classical Chinese philosophy. He demonstrates this contrast between a dualistic theory rooted in the Western ontology and the



Thupten Wodzer

The steep slopes of Eastern Tibet were once largely forested with conifers. However, over 50 years of unsustainable logging dramatically decreased forest cover from 30% to 6.5%. Deforestation changes local hydrology and creates climatic fluctuations that increase runoff into the rivers and exacerbate flooding downstream. Consequently, the Chinese government had to institute a logging ban in 1998 following massive floods. While large logging was banned, small-scale logging continues at local levels to this day.

The villagers of Eastern Tibet fell trees for two reasons: for construction of traditional Tibetan houses and for traditional energy (fuelwood). Like in many cultures, owning a large house and a large stove has become status symbols among villagers. To secure the best wood for construction, the loggers high grade the remaining mature trees left over from earlier eras of deforestation. For firewood, they cut birch trees. As sun-loving pioneers, birches have grown into clearcuts. With constant harvesting, the birch trees are being moved into a coppice system, which slows the forest's succession back towards its natural, conifer-dominant species mix.

A local environmental group dedicated to applying cultural practices to conserve forests in eastern Tibet, is applying the tsetar concept to trees to stop such logging practices. According to Buddhist codes of conduct, the most important principle is to refrain taking the lives of others. This code has been manifested by a popular Buddhist practice called tsetar in Tibetan, which means,\"freeing captive lives." Freeing a captive life is considered to be the most compassionate deed for merit accumulation in Buddhism. Thus, Tibetans free yaks, sheep, and fish on special occasions. The lucky animals, which are marked as tsetar, become so "untouchable" that the owners would never consider butchering or selling them. Even yak thieves spare them. The group designed a tag called "green amulet" with tsetar mantra written on it. The amulet is a modification of the traditional red thread amulet for marking freed yaks and sheep. By tagging the trees with the amulet, the team liberated 10,000 trees in 2014.

In fall 2015, a member of the group enrolled in Yale School of Forestry and Environmental Studies, where he took courses on religion and ecology, which gave him an understanding of religious approaches to conservation. For his summer internship, he built on what has already started with a slightly different approach. From experience, the team has noticed that freeing trees in blanket fashion might become an obstacle for people's livelihood in the long run. Instead, tsetar-ing trees selectively in response to high grading allows the forests to become multifunctional; if a stand of a forest is serving an ecological,

single continuous worldview in classic Chinese thinking. Fung's point about classic Chinese worldview is explained through discussing the absence of binaries in the terminology of Chinese garden design. Since, in the context of classical Chinese philosophy, the world cannot be conceived as binaries, therefore, the 'world of truth' is absent, knowledge is not understood in terms of fixed ideals but as 'pattern and process in the world of flux and change, things and events are mutually shaping and being shaped'. This, however, does not exclude words of opposite meanings in the Chinese language. Because they exist in pairs, Chinese terms become plastic in their interpretation. In these terms, contradictory concepts are articulated reciprocally, such that one is becoming the other. Like classic Chinese worldview, these terms require incorporation of both sides of the concepts for proper interpretation.

Countering the participatory roles of opposing ideas, Wang Shu's subjective distance that separates the real and the imaginary part of the painting is a problematic consequence of self-reference. Elements in the painting operate on their own set of premises without establishing a clear sense of order. The white spaces between and around the two parts are physical barriers which do not participate in the conveying of meaning. The very top edge of the Hermetic Sages becomes essentially the same as the white space occupied by the inscription immediately to its right. They are both spoken of as generic sky due to a lack of reference to the rest of the painting. Alternatively, the space occupied by the inscription could be understood as part of a water system which is relatively inconspicuous in the composition. It is

hinted first by the small pond right in front of

aesthetic or other important values, then that stand can be permanently protected by tagging with green amulets. On the other hand, villagers are allowed to collect firewood or necessary construction woods from untagged working forests.

However, acknowledging that people need wood in their daily life does not mean people are endowed with the right to fell trees unsustainably. In order to halt such practices and restore the reverence that Tibetan people have had for nature at a landscape level, the group also worked with the forested communities to revive a unique Tibetan cultural practice, labtse. Labtse is an altar in which the area mountain gods reside. The mountain god is called zhi dak, which literally means, "the landlord." Tibetans believe that there is spirit in everything; the mountains have spirits, and so do the springs. Those spirits are socially connected to human communities. The human communities think of themselves as tenants, not the landlords. The trees and wild animals belong to the landlord spirit. Therefore, the communities are only allowed to use resources mindfully. Tsetar and labtse have deep roots in

Tibetan culture and so can be easily accepted by the people when they are being applied to forest conservation practices. The combination of these two approaches can protect forests at both coarse (landscape) and fine (stand) levels and helps keep a balance between the ecological and human needs. This dual-scale, religious approach avoids extreme policy measures such as forced relocation in the interest of conservation and allows time for the communities to understand the forest ecology from a scientific perspective. Ønce the communities are restored with reverence for nature and a connection to landlord spirits, the group's next step to formally introduce silviculture, the practice of cultivation and management of trees, will be easy. At the mean while, this may also push the communities to redesign the houses and stoves more resource-efficiently.

have huge potential in conservation. The science community and indigenous communities need to work interdependently to conserve the limited natural resources. Conservation efforts that are divorced from local communities often fail around the world. The innovative blend of cultural and scientific practices can restore local people's cultural pride and sense of connection to the land. Thus, it encourages proactive engagement of the local communities in conservation. Tsetar and labtse may be uniquely Tibetan, but the concept of leveraging indigenous beliefs in nature can be replicated globally to balance local people's livelihoods and the environment.

Indigenous people and their beliefs

the pavilion, extending next to a river suggested by a patch of coarse texture below the small low mountains located under the text, and finally reaching the sea represented by the blank surface above the low mountains. The subtle hint of water communicates between the contracted space in the foreground and the endless vast space beyond. Therefore, the termination of landscape is not at the steep mountains which is assumed by Wang Shu but at the infinite sea to its right. Or rather, there is no termination. Wang Shu's speculation would deny this possibility altogether, because the indifferent separation of the upper and low parts makes them inaccessible to each other such that the continuation of water system seems conceptually absurd.

Given the increasingly complex landscape of scholarship across many disciplines and cultural context, it is difficult and perhaps even dangerous to align oneself with any polarized ideas and concepts. However, there is a growing will to define an absolute 'Chinese-ness'. When Wang Shu was given the power to represent a group of scholars and architects whose works are still neglected by the West it ຮeemed important for∖him to locate the collective effort of Chinese architects in the ever-accelerating currency of architecture scholarship through a unifying impression. Mediating space serves as an opportunity to dissolve such universal monarchy and to provide a place for resistance and liberation. In discussing the mediating space, the ends must stay open, as every moment passes by a whole new world unfolds before us.



FOLD

XXII

Keller Easterling is an architect, writer and professor at Yale University.

Paprika: In your class Globalization Space last fall, we discussed spatial products and the infrastructural network that is overarching or suspended from nation-state borders.

Nowadays a lot of people say that there is an anti-globalization wave, with China's firewall, Brexit and the U.S.'s notion of strong border, how do you think this anti-globalization wave would influence the spatial products, infrastructural networks and the zones?

structural networks and the zones? Keller Easterling: For me, it's a huge question. And sometimes I wonder when people talk about altering these trade agreements, whether they think that this is just about moving around corns or changing attires of prices, or whether they think this has to do with immaterial things. But what we studied is that the global trade system is also like a gigantic physical plant. There are thousands of thousands of acres of infrastructure, solid cities and installations devoted to this free trade that has lasted 30 years. So/what happens to that? There is this full-throated anthem of nativism or nationalism. But/does it really change anything about this infrastructure in place? Or if it does, how does it do/so? It's very hard to predict now, what that would be. My sense of it is that this nationalist script is one that will just give more and more power to fewer and fewer people. Nationalism is/sometimes like Oligarchy, and that kind of oligarchic thinking fits pretty well to the free-trade-zone formula.

P: I know that we shouldn't be talking about centers and peripheries any more, but while the U.K. and the U.S. withdrawing from the global trade system, China starts to export its infrastructure and labors. So I don't know if there is a second wave of globalization?

KE: Yeah. No one center and periphery but multiple centers of power and power moving in many directions.

P: We are also interested in your studio on the refugee issue. In the introduction of your studio Free Migration, you compared the refu gees to the commodities. We thought this is an interesting comparison because indeed both are using the infrastructural space, but the difference between them is that the mobility of the latter is much higher. I wonder if you

could tell us a little more about it? **KE**: The comparison is interesting because there is enormous amount of ingenuity in infrastructural space. A lot of energy is devoted to make sure that these commodities and cheap labors are transported and lubricated through this system. But there is not a lot of creativity and ingenuity in solving problems about how people might/migrate. The problems are stalled out because of a dumb on/and off button deciding whether to grant asylum or not, grant citizenship or not. We have been very careful not to say that the same apparatus of free trade would apply to the movement of groups of people. We are just saying that the same ingenuity, the same kind of determined problem solving might be applied to designing another kind of passage or exchange between the sidelined talents, energy and time of migrating people and other needs in the world, with particular/attention to the way in which spatial variables might be placed in that exchange. So we are trying to think of a global exchange with talents and needs that could allow someone to move through the world, either move to settle in some place, or to keep moving. Especially for those who hever wanted the citizenship that the nation either withhold or bestows. So we are almost trying to see if spatial variables might be part of an exchange that would allow for another kind of cosmopolitanism.

P: Seems like it's not only for refugees but for everybody.

KE: Yeah. It's in advance of the refugee camp. It's like a choice before the refugee camp or a choice after the refugee camp but definitely not dealing with the refugee camp. Those norms that the refugee camp is the answer are so ingrained that the assumption is that we will just assume our downstream assignment and fix up enclosure with this bad idea. We refuse to do it. There is no possibility of ingenuity within that.

P: That brings me to another question, which is about the distance between ideas and reality. We feel like your design works, such as the protocols you have shown in Globalization Space, are interested in changes that could happen

architectural idea, than just to exhibit it. What is making this so hard in your experience?

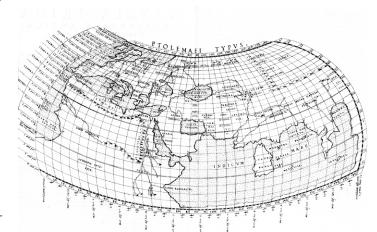
KE: It seems to me that architects need to have a different kind of audience, need to have a different kind of partnership and another kind of authority in global decision making. Getting to that table, getting to that conversation, edu-

right away. It seems to be harder to realize an

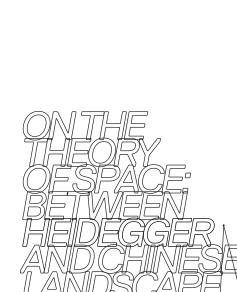
To read Paprika! Online and

interviews in full, please visit our

cating global decision makers in a language of space practices is hard. I'm frustrated about it, because the economatrix, law, global standards, these things have authority. This kind of organs of communication have authority. And we are trying to insert some different kind of organs of design that might be used in global governance. But there is not a lot of fluency in that. It's hard to gain attention even for this kinds of projects and other kinds of audience. There is art world audience who is ready to hear it, but it's not the art world that we need to contact. And it's also quite risky. I think doing anything is suddenly risky. They could all be gamed by other power players, they could all go wrong. But the kind of organs of interplay we are thinking about this kind of interplays are not about having a right answer, but about designing a certain kind of interplay that can also be responsive to the moments when it's out witted. So it's trying to give insurance to the moments when it's gamed



by power. But all untested.



Ziyue Liu

In November 2011, Wang Shu was invited as the Kenzo Tange Chair Lecturer to give a talk at the Harvard Graduate School of Design. Titled 'Geometry and Narrative of Natural Form', the first half of the lecture was devoted to a lengthy discussion the relationship between traditional Chinese painting and guiding principles for Chinese space-making. Wang Shu's idea of space consists of a real part, and an imaginary part in which the real half plays the role of an objective reflection of the environment and the imaginary half is a subjective projection of the painter's inner experience. This dualistic division of subject and object relates closely to Heidegger's theory of space presented in Building Dwelling Thinking.

Heidegger's theory of space is

directly linked to the convention

of classical western philosophy. The

dominant view of the world dictated

by Plato's theory of form involves a

two-world view in which the world

of permanence perceived through

Paprika: Your research has been focused on the understanding of how forests develop and how silviculture can be applied to ecological systems most effectively. In your book Forest Stand Dynamics, you describe the four phases that trees go through in stand development. Could you tell us architecture school students

Chadwick Oliver: It's a book on how forests grow. It took a slightly different pathway when I first began looking at this subject in the 1970s with my professor here at Yale. Instead of examining the forest as a whole, which was the previous way foresters studied forests, we started looking at the trees as independent growing plants. As trees began growing, they formed patterns which is called an emergent pattern now. Since we concentrate on individual trees, it became interesting. Because the scope of the study expanded a little bit further into not beginning by saying this is the natural forest and this is people, we don't demarcate that way. Human and nature are not separated entity, they influence each other. Through the emergent properties of the forest and the interactions of individual trees, we are able to come up with a lot better understanding of how the forests grow

P: Were you looking at natural forest or commercial forest when you studied the behaviors of trees? co: We don't really separate when studying

John Durham Peters is a writer, a media historian, a

social theorist, and a professor in the Department of

English and the Program in Film and Media Studies

at Yale. He is also the author of various books and

articles, including The Marvelous Clouds: Toward

disciplines are themselves, I don't know if I

want to use your term, urbanized (laugh). Bu

there is a kind of infrastructural inversion and

Demarcation is both spatial.

Conceptually, dema grow differently, but the fundamental reasons for be the first step of o in, instead, the reasons might be the spacing among them, or whether the species are genetically modified. happens unconscio to classify the world to give names to wh see. We operate witl From the division of ceive both the gosp they are helping each other. Forests consist of some and the curse of iso earth is only legible demarcation. We div and sovereigns and cultural fields and or get very weak. And the other trees who be the and suburbs and cit Demarcation is a do

NOTES FROM the behaviors of the trees. A tree, when it grows, it doesn't have a brain, so it doesn't know whether it's in a commercial forest or in a natural forest. It simply responds to certain variables in its environment. We not only look at forests that are not heavily managed by human, but also look at those which are managed. We study all of them. Because we don't demarcate between nature and human. Rather than demarcating the natural forest and the commercial forest with a hard line, we prefer to see the difference as a gradient, from the ones people adjust a little bit all the way to the extremely human adjusted ones. The trees might these differences are not what kind of forests they are in, instead, the reasons might be the spacing among

> P: What is a stand? And when did this concept come **co**: The stand is a contiguous area of relatively formed soils, climate, species distribution and pass history. So that we can treat it as a group. It is an old concept which has been around for over 100 years. But the way in which forest grew within each stand

was different earlier than it is now. **P**: What do you think caused the difference? **CO**: The early concept was that the trees in a forest helped each other. They were like a big family. And the big trees helped the little trees. Then, we found out that it was just not the case. It makes beautiful poetry, but it's just not very good science. Because he behaviors of the trees relative to each other could be explained much more if we look at them not as tle trees and some big trees, in different species. (Drawing on paper) Everyone thought this big tree

was helping those little trees, but when we looked at

the age of them, we discovered that the little trees and the big tree were at the same age. It turned out that if the bigger trees weren't here, the little trees would have grown taller. We could understand the forest much better by considering trees competing, rather than helping each other. We also have found the same phenomenon occurring everywhere in the world. What's interesting is that no species wins always. For example, one species might grow very well on the very best soil, but when moved to poor soil, it might in the poor soil can stay stronger and win. Therefore, differences in soils, climate, or disturbance determine what kind of species or which trees would win in the

P: What do you think are the goals of managing

actions without intention we are threatening the biodiversity in the forest. Some people would say let's just leave it alone. But the trouble is that when we leave it alone, we get very big forest fire. We need to actively remove some of the trees to solve the problems mentioned

P: Aren't there a lot of forests taken by farmland? That seems like the cases for

example in China. **co**: Actually, the forest land in developing countries is remaining just about stable. The farmland in some comptries even gets less and less as the productivity of the farmland increas es. In developed countries, we don't have a reduction in the forest area. Because we are not asing very much of wood, the forests become too dense. We have around 3/3 of the forests left. The importance is that, in the remaining forests, we want to maintain the three important structures (Openground, Savanna and the Complex).

P: Is this how you find the necessity to

connect forestry research to architecture? co: We will be doing two good things by using wood the right/way. If we cut all of the complex forests, it wouldn't be a good idea because we are losing habitats for different species. The complex forests are great habitats, and it takes too long for them to grow. So instead of trying to grow complex foxests and cutting them and growing again, we should just set those areas aside to a certain percentage. If we manage the dense and understory forests, we could cut some trees here and there, and let them go to Openings or Savannas, and grow again and cut again. So that we will always maintain the important structures for biodiversity. If we have some ways of using the wood, then that will pay for our cutting it out of the forest. Right now in the world, 15% of the forests is set aside for protection and the rest of it just used in different ways. If we make wooden buildings out of cross-laminated timbers, we will not only help maintain the biodiversity, but also save CO2 from the atmosphere, because we are not burning fossil fuels to make steel and concrete. Thus, it is benefiting both sides. The point is that we have to make sure we manage the

forests correctly and cut the right trees. P: What is the current relationship between the forestry and the architecture fields? Are there a lot of active collaborations already?

more difficult to guess.

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incredibly powerful. Anoth

speak to alternatives to Rio

reality such as bottom-up

is so ubiquitous—in urban

So much of the atten

But can the momentum keep

up even after the Games?

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not a book that delineates

the projected path of Rio de

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In the following essay, the

authors delve into one of the

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master plan would expand to

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co: In the United States, Scandinavian countries, Russia and Japan, traditional houses were always built out of wood, but not with the big cross-laminated timber. The cross-laminated timber has only been around just for a very few years. I'm very excited about how much more is becoming adopted.

P: What is the difference between cross-laminated wood and other types of wood we used before as building material?

co: Well, I would almost put it into three types of wood. One is the type we build single families houses out of, which is what we call it two by four plywood. that's kind of traditional. Then the laminated timber or veneer is kind of engineered wood like cross-lam inated timber, but because they are cut into very thir pieces and glued. It takes a lot of energy. The nice thing about cross-laminated timber is that it doesn't take much energy because we don't cut it and glue it from small pieces. Cross-laminated timbers also have a tremendous amount of strength. Recently, people have been building 18-story high-rise out of those. P: What is the reason that wood have not been

widely used for a long time? Is it because the cross-laminated timber technology wasn't mature co: Yes, it's a quite new technology. Four years ago, if

places in the world reporting it. Now you get very

many places reporting it. New manufacture plants and

new buildings are going up in many places. It's very exciting. 🎤: What is the forest management challenge right

co: There are different generations of foresters. We had a generation growing up thinking the important thing was providing enough wood for people. And we need to say don't just think about the wood, but think about how trees live in the forest. Now the main management challenge is to change the demarcation, the way forester thinks. Besides the challenges with the foresters, we also have many environmental people who grew up with the idea that cutting trees in natural forests is bad. We are trying to change the way of thinking from both sides.

you have been working on? **co**: We are working on a project with the UNDP/in Turkish forest service to make the forest managem we just talked about completely transparent, so that people will trust us since they can monitor the whole process. Through the management mode we proposed, we could potentially provide enough employment for people all around the world, which

P: What are your current interests and the project

THE EDITORS

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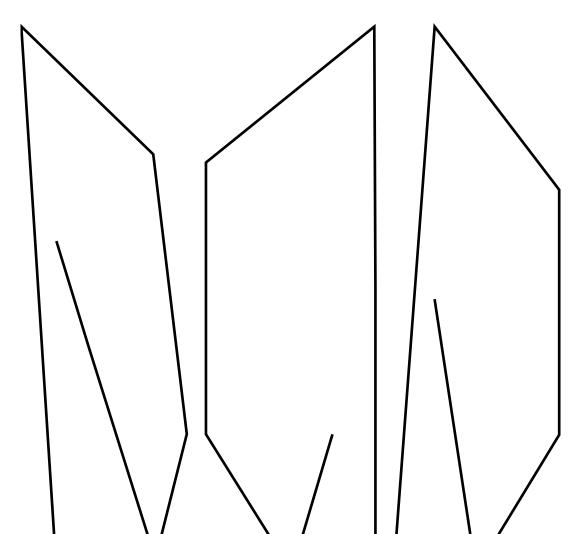
rcation seems to ur action; it often usly. We are trained in a particular way, ichever object we I googled on cross-laminated timber, I only got three places in the world enorting in Now you get very knowledge, we reel of specialization lation. Spatially, the to human through *i*jde it into grids zones and agriceans and lands ies and buildings. uble-edged sword,

will be a real benefit. **P**: What do you think is the role of technology in forestry management?

co: We develop a system which is a digital mod el simulating forests/grow (Opening desktop). We have this technology where we can take up an area and we can/fly over it with a satellite so that we could get an inventory of it. for example, this forest has about 3000 hectares. We can get a image of how the forest looks like We could look at/how forest grow. We've just grown it and this is what it looks like in 2065. We can also tell you how the forest will look like if we cut it/in a certain way this year. For example, let's leave about five thees to the acre. And then this is what it looks like right after we have cut it. we plant it afterwards and let the forest grow until 2065. This software can show you how the forest will be like by then we had a forest that was in the open structure, then it was in a savanna structure, and now it is growing back probably toward a complex structure. And we can keep managing all the forests Until we get a complex structure.

P: Is this based on historical data? **co**: Well, yes and no. we get the inventory, and then satellite stations spend years and thousands of dollars remeasuring trees to get growth models. So we can project how it's going to look. And then we just have an automated system/here. In Europe they have a satellite that circles the earth about every 11 days and does radar scanning so that you can look at the radar and determine how the forest is like in any places on the Earth, so that we know whether we are following our plan. If we put it up online, people can follow us (Google has asked me about it), so that our management method can be more trustworthy. We are using very unnatural scientific tools, like satellites and data to maintain biodiversity in nature.

which is important for humans to live. P: Bringing the traditional building material wood back to our contemporary architectural design arena is very interesting to us. co: It's exciting. I'm glad it's been thought of



PERSPECTA 53

On Thursday, April 13, Dean Berke announced, on behalf of the Board of Directors of Perspecta, the lected theme for Perspecta 53. titled "Onus": developed by Caroline Acheatel, Paul Lorenz, Paul Rasmussen, and Alexander Stagge. Here is what they proposed. We look forward to its release in 2020.

More than any other profession the ethics of architecture are rigid. Architects are trained and terms for paying clients. Yet

reality is blurrier. Although only between designer and client the outcomes of this bond are vasive. Much of the built env nment is ostensibly designed for one client's needs, yet its environmentally, and culturally affecting large swaths of the

where do the lovalties of the arcl tect lie? What ethical burden must act of building and what is the cos of contractual refusal? Lawyers Doctors invoke the Hippocratic Oath. Architects exist in a which designers often choose or to see their work's broad reaching acts if it fits their brand iden tity. In the face of this ambiguity, this ssue of Perspecta's stance

Onus, we argue that in assuming

the mantle of architect, designer

infrastructural reconfiguration of what counts as a

discipline. Is a journal like Grey Room a media studies

journal or an architectural theory journal? Yes to both

nd political obligations that company any attempt to alter

thought of as a luxury good

world. It is clear that our med

powerful, has implicit obligat

ems of the developing

plications of the building industry

on our planet can no longer be

This burden is heavy, and architects must grapple many architects attempt to shrug it off, claiming expertise only in necessitates new ideas about human settlement. At the etics. Other see this ethica work. Defeated, they ask, how car of our planet are eroding. \setminus a medium that is so infatuated ative ideas about cities addressing and accom and a hyper-connected digital sm offer alternately society's pressing, yet ever errifying and exhilarating Indeed, it is true that promises to our species, but at what cost?

Finally, while archite still maintains a monudisconnected from social shifts nental cultural obligation bound up in power networks an the burden of being the "great work of humanity," a role it may arguably wea more lightly today. Yet the impact of form, aesthetics sion. Society doggedly seeks ed by this, what is th to place, identity, and local

chitects can prioritize their socia stice obligations, or negotiate of these varied threads o not only has a sense of ingrained ntability—to the Earth, one. The timeline of architecture to other species, to other may be slower than the work of le—seems paralyzing charged climate, architectur esigned solutions to the orld's most indetermi political structures. Onus is place vithout this onus, what is our on the architect to determine ourpose as architects? As he writers, architects, and era where remaining silent still thinkers we hope to feature tes an ethical choice. in Perspecta 53 reveal, the

as part of life's work offers

the most acute opportunity

chance to subvert our world's lensify, as land subsides, and most ingrained injustices. Of Kundera rightly mused that ar absence of burden "causes and become only half real, his nents as free as they

co: From a scientific point of view, we have

to consider that there is no goal. But for the

and biodiffersity. One of the things we want

to do is to maintain the biodiversity because

the forest is a habitat for many species. The

biodi/versity\ has long been modified by human,

we cannot undo it; but we can just learn how to

consider touching the old forests, but when we

disturbances were natural. (Drawing on paper)

There are five types of forests, some grow dense

and young, others grow larger. Some of these

larger forests would develop an understory

type or into complex forests. And there is

another one called Savanna, where the trees

are apart from each other. Young forests can

can take them back to an open structure, or to

the Savanna kind. There are species that are in

danger because a lack of certain structure. If we

look at the number of species, most important

forests are the open ground, the Savanna and

P: Many of us thought using wood is bad for

environment. There seemed to be the tension

between human settles and forests. However,

according to your research, using wood as

carbon footprint of human settlements. And

it seems that there might be more trees and

førests than we thought before. Can you

CO: Three per cent of the dry land surface is

covered by cities, and another 11-12% of it is

covered by agricultural fields. So we shrunk

the forested area here (shrink the diagram). Not

only have we shrunk it, but we also have road

crossing the forests. So animals have troubles

another thing happened is that we've stopped

we don't have very much of open grounds and

Savannas. And we've been cutting the complex

structures along with the species that live there.

Now the problem is that we are growing much

forests are getting more and more crowded and

the structures of forests become more and more

toward dense and understory. So through our

many of the fires and other disturbances. So

forests. We are losing these three important

more wood than we are harvesting. So the

getting from one place to the other. And

explain this to us?

of sustainability. As cities

dissipate under rising tides

building material is actually reducing the

grow towards complex forests, but disturbances

began studying these forests, we realized that

modify it the right way. Normally we wouldn't

very necessary, such as clean water, clean air,

survival of human race, certain things are

OCCUPY ALL STREETS

packbone of the Olympic

frame of reference for the

rest of the book. In the past

Maravilha, Cidade Integrad

these epithets have beer

divided city, Cidade Partid

city. For the most part

that is Rio's reality.

epithets" and serves as intro

defines Rio as a "city of

Ultimately, hosting the Olympics is an incredibly e protest-filled Rio's path to the 2016 Olympics is no exception. The convoluted soci∮-demographic, econo all streets: Olympic Urbanism nine essays by multiple different authors, each f issues forming part of the

one way or another. It is left up to to how branding and rebran Another essay speaks city to steer its path towa and how its exclusivity ha change. But particular to ed many stranded Rio's Games, the fact that and forgotten, resulting in GROUND 2016 Olympics were under incredible solidarity through a "global gaze" pushed the sts on the street. Who Submit tips to On the Ground at as the right to public spac

otg.paprika@gmail.com The conversation on public space continues with an ess ... we encourage you to find a nost Olympic era construcmore appropriate outlet for you tions, this park was meant to nces." Rudolph Open brand Rio as a place of leisure and fitness. When the park nishes after accusations o was taken over by proteste

> Commissioner McCann nade good on his promises, and lightning speed, resulting in many

The Architecture Lobby sp a talk titled Bodies in Space by and lobby member. Rian offered provocative ideas about

'dropping the [birdie]" let loose or

4/13 across the street to feast on tater tots and pigs in a blanket at

4/14 out for the Woman in Practice anel, held by Equality in Design. nsights about being a woman in efreshingly candid.

the architectural workforce. It was The first outdoors 6 on 7 of the year, the so-called-Mega-Mixer, dard recipe of PBR + Oreos with

Art, music, drama and architecture students mixed drinks and stood Finally a free Saturday

Happy Keller Easterling CLASSY AFFAIRS

For the first time this semes with the definitive site for the 201 lim Vlock Building Project. The Midterm on Monday are now bei med to fit a narrow New

Second Years Second years celebrate with vinc field guídes Pecha Kucha. Third Years Stagge and Paul for being chose

as Editors of Perspecta 53. We

know where you guys will be th your family, but sometimes you can't choose your friends either

one post pro commented

Pelli's thoughts on professi King's April 12th profile in the Sai Francisco Chronicle.

A large contingent of YSOA turned ea/place/article/Transformativetowers-in-SF-intriguing-to-

vears of the Lynn studio is on display at the Lynn Museum

obscures our views

ield, demarcation

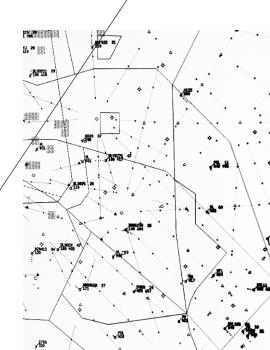
m each other.

you will always get the feeling that you're a fraud, and you don't know enough. I like the example of Socrates, because his argument was that ignorance is an enabling condition. If you know that you are ignorant, that enables you to be thirsty for knowledge. Socrates invented the word philosophy, which means love of wisdom, not having it. It's like you are in love with this thing, but wisdom is not in love with you, so you can't have it. I feel that this attitude

> the known to the unknown. And the only way you can do it is by taking the risk of being embarrassed. You generalize, you use metaphors, you use analogies, you do things that might feel utterly foolish. History of science, the history of learning is a history of failure, big marvelous fantastie failure. All we can do is fail better. That's Samuel Beckett isn't/it? At least it was Beckett before the Silicon Valley marketers

is very helpful. I think learning is going from

1 This is the issue editor's (Jane Weng) personal memory from previous discussions with Keller may not reflect her original word



essential to us, but (at the same time.

In the architecture f is embedded in the tation and construct with certainty, on the constructs a world of categorization that that are illegible.Thr scholars across the explores how the we it's very clear that state sovereignty matters in very or obscured through crisis, you have that kind of sovereign demarcation. demarcation and ho are different from communication scholars. I was in a

Is New York City America? There is this image of New you know it's an Asian city, it's a Puerto Rican city, it's nation-state for disciplines. Media studies is an urban similar to architects or environmental historians. P: You just mentioned that New York City is a global

had debates about who is a real communication ture, communication scholar. Within media studies, we tend to be a lot less worried about who is genuine or fake. Because the

nect to or depart fro barrier to entry is so low to be a media scholar. One thing I say is that if you can tell the difference between

rating and share, in terms of TV audiences, then that makes you a media scholar. That's the kind of insider thing that no one really cares about outside of the field. There is a kind of border policing, that definitely happens, for example, in graduate school admission, job hiring, giving grants—you need to have credentials, which is very similar to passports and Visas. P: In your book, the Marvelous Clouds, you

emphasized the importance of the materiality of medias. In architecture, all we focus on is the materiality aspect of space. One of our discussions about the architectural space, or built environment in general, is that they are powerful but also powerless. Professor Keller Easterling in the architecture school once said that the steel itself couldn't do anything, but the stories and fictions attached to it are so thick that they can bend the steels, turn them into buildings and civic projects[1]. I wonder how do you see the power of the

materiality, regarding space or medium? IDP: For me, passivity is a kind of power. In the western tradition, we often associate power with activity, with dynamism. The word for power in Greek is dynamis. But I think that passivity is a very powerful way of being. If you think in terms of politics, like passive resistance, which is not passive at all. But if you think of what Martin Luther King did, or Occupy Wall Street, it's actually a politics of being in a space, taking over a street and doing nothing in particular very deliberately Demobilizing other people's activity can be a very powerful protest. If you think of built environment like steel, you can say it's passive,

but also it's totally definitive. You can't argue with a steel building, you can put graffiti on it as a form of resistance. 9/11, of course, was a kind of resistance against the steel building. You turn an airplane into a weapon. That's such a drastically abnormal way of resisting—and abusing—steel.

In my books, I/talk about immateriality as being really important. Who gets to define what is the central point is, who gets to define where the grand meridian is in Greenwich? It may seem completely natural to say that the zero point of longitude is in Greenwich, but in fact, it's a reflection of political power. Is software something material or immaterial? Is architecture material or immaterial? Isn't the ultimate technique of architecture the blueprint? Or the plan? Not so much the building, but the drawing

might be the ultimate medium or technique of architecture. I prefer the word technique because technology has this kind of ideology of history of progress built into it that can be problematic

P: There is a difference between stillness and passiveness, right? Passiveness is with a purpose, but do you think the total stillness, for example in the Eastern Zen meditation, is without any purpose?

JDP: I have to confess that I'm very skeptical about divisions between East and West. Zen, as we know it, was partly invented in America by Paul Carus and D. T. Suzuki, a Japanese philos opher. Suzuki wrote key texts first in English. Because in part the kind of Zen he was teaching is very close to American Transcendentalism, with Ralph Waldo Emerson, Emily Dickinson or Henry David Thoreau, who appreciated nature as other, as resistant to human purposes. Obviously, when you think about China, there is this great tradition of Chinese Nationalism. China is the center of the universe, the middle (ϕ) , is that the word?

P: Yes exactly, means middle in Chinese. JDP: That's what I mean. It's the media nation, the middle nation. The nation of mediationperhaps that is China! **P**: In the English Language is there a connec

tion between middle and medium? JDP: Yes. Definitely, Medium comes from the Latin word for Middle. Medius is a Latin adjec tive meaning middle. One Latin word for space is locus. So in Latin, if you say in the middle space, you say medius locus, and Latin is the ancestor of French, and it turned into milieu in French, which is a classic architectural word. In milieu, you have the notion of media hidder in there. A Milieu is a Medium. The French philosopher Michel Serres is very interested in media and milieu, as kinds of spaces. Even with Zen, there is a kind of purpose.

You always get the kind of contradiction when you have a purpose without a purpose. How do you go to a Zen Garden and not meditate? Because if you go to a Zen garden to meditate, then it's not Zen. So it is a paradoxical question In Western tradition, there is a great tradition of thinking about passivity too. In some ways Western philosophical traditions and Eastern philosophical traditions have very deep affinities. For example, Chuang tzu is very close to cynicism, Confucius is close to Aristotle in emphasizing important relationships and

zoon politikon, a term Hannah Arendt uses, which means the animal with speech. This is not very hard to connect to Confucius, where there is a mandate of heaven, the politics is connected with the sky and with earth. Obviously, the two aren't exactly the same, but there are affinities. I think the effort to make a demarcation is often a political one. It is not genuinely a philosophical one. The questions Chinese civilization have to deal with are city life, differentiation, gender, family, power, desire—the problems every civilization must face. Solutions may vary, but the problems are P: Just to conclude with the last question. Going

seeing the state and family as connected in terms of

ethical relationships. For Aristotle, the human is the

back to the question of excursion, when we are doing research in architecture, it is impossible to read just within our discipline. Reading literature from other disciplines can be incredibly overwhelming. Your books are arching into so many different disciplines, such as environmental study, biology, astronomy, etc. What is your experience with interdisciplinary research?

JDP: In the introduction of The Marvelous Clouds, metaphor I use is the sinkhole. A sinkhole is when people sucked up all the water out of the ground, and sometimes when you walk along the street will collapse beneath you. When I was writing this book, if **e other hand, it** I felt that I had enough knowledge of astronomy, for example, and I started moving forward, the infraexample, and I started moving forward, the infra-structure always collapsed beneath me. At some level **CCUPIED SOLETY DECUPIED SOLETY** knowing anything is impossible. When are you ever going to know enough to say anything responsible? So I made my peace with pragmatist epistemology, that you can know enough to say something. This is an engineering point. The old saying is that the machine works at its maximum efficiency right before it crashes. When the bridge breaks and, the building falls

over that's when we actually learn, that's where the knowledge comes from. Henry Petroski has written about this famously. Without disasters, there is no engineering. Finitude is our lot. We live in a world with amazing cognitive enhancements, and things like Google do make you a lot smarter. It helps us learn about other fields quickly. I think in one hour you can learn enough to be at least oriented. To learn a lot about another field to be an expert, you need 10,000 hours, but one hour can get you started, so why not?

P: If there is a boundary between the known and the unknown, can we see the known knowledge as material, and the unknown as immaterial? Or the known as human condition, and the unknown as beyond human?

JDP: Maybe so. I like your term confidence. Because

process of design, ough represention. On the one endows the world relinquishes things ough the eyes of campus our issue orld is understood

∍w nature, archițecn and media con-

a Philosophy of Elemental Media (2015), Courting the Abyss: Free Speech and the Liberal Tradition (2005), Speaking into the Air: A History of the Idea of Paprika: Discipline is a kind of demarcation. What we find interesting is that both media study and architecture are discussing infrastructure, both expanding its meaning to the immaterial\realm. In your book The Marvelous Clouds, you discuss the ocean and the air as medium, in the field of architecture, some of us discuss the urbanization of the oceans and the atmosphere as well. Do you think there are differences in point of view between media studies and architectural John Durham Peters: Thank you. I think there is a geographical conception of disciplines, basically nationalism, with every discipline wanting to have its own territory. When you go into another discipline, it is like traveling abroad, and you have to get your passport. It is a 19th-century model that every discipline has its turf. I don't think that is the best model for disciplines today because disciplines have a lot more in common than they think they do. Probably a media scholar and an architectural theorist share more in common than a media scholar with another media scholar. There is more variety within than between disciplines. There are media scholars who study topics like FCC policy, or public opinion polling, or social media messages. Each of them might be closer to someone in political science, or law, or sociology. Because

questions! It's so hard to pin down exactly what media studies means. In a nationalist frame people will turn to you and ask, what do people in China think about this? Or some Europeans ask, what's the American point of view on this? I think there is no American point of view, there are just lots of different points of views. And trying to figure out what makes my point of view American is very difficult. It is an intellectual question of affinities. There are stylistic things that belong to someone who lives in a nation. There are worries or concerns, but there is no essence of being American or being Chinese. There is no essence to a media theorist or an architectural theorist. It's a series overlapping interests, worries and concerns. So I think maybe media studies is an excursion for you, but and is embodied the maybe it's also a homecoming. It's like urbanization.

Is New York City America? There is this image of New York City as the essence of United States, but in fact, New York City is a global city. It's a Chinese city, it's a Russian city, it's an Israeli city, it's a Jamaican city, hand, Demarcation (a Haitian city, A city is maybe a better model than the nation city a feet for disciplines. Made studies is an urban agglomeration, in which you can find quantitative people interested in public opinion similar to clusters of political scientists, or policy people similar to lawyers, or people interested in everyday life similar to ethnographers, or people interested in infrastructure

> city, do you think there is an invisible boundary that demarcates people, like sovereignty? JDP: Yes, you still need a visa to get into New York. Or you need to be a special kind of worker, you can illegally stay pass your visa. They are questions of power, I don't mean to celebrate the kind of babble olurality of New York and any other city, as if that's a Utopia. Especially at this moment of travel bans, rofound ways about circulation of bodies. For academic disciplines, it's also true. In moments of iring committees can often ask if a candidate is a real communication scholar? I think media scholars department of communication studies; we sometimes