



The Chartered
Institute of Logistics
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North
America

Transportation's Top Stories

Air Transport Updates

CANADA

Air Canada Announces Longlist for Canada's Best New Restaurants 2022



Source: Air Canada

Air Canada is proud to present the 30 nominees for Canada's Best New Restaurants. Since 2002, Air Canada enRoute has celebrated through this program the country's best new restaurants, chefs, teams and emerging talent—and this year, the Top 10 list is back! The highly anticipated longlist is out on CanadasBestNewRestaurants.com. Canada's Best New Restaurants celebrates its 21st year, making it the longest-running national culinary talent search and the only cross-country restaurant ranking to use a single, anonymous reviewer who sets out to sample the year's best new restaurants. Based on the recommendations of our national panel of food experts, Air Canada sent one undercover writer on a month-long culinary marathon in search of the top 30 most notable openings across the country, all of which are now contenders for the coveted Top 10 list.

Air Canada Announces Longlist for Canada's Best New Restaurants 2022, August 15, 2022, www.aircanada.ca

Airlines push back against incoming passenger refund requirements



Source: National Post.

Canada's airlines say new rules forcing them to refund or rebook passengers, even when delays and cancellations are outside their control, are unfair, especially as the industry struggles. The Liberal's bill of rights for air travel came into force in 2019, requiring airlines to rebook or refund passengers when a flight is cancelled or excessively delayed because of circumstances an airline can control, like oversold flights. But starting Sept. 8, 2022 airlines will have to refund or rebook passengers for delays and cancellations even when the issue isn't in their control, for problems like weather. The rules will require them to rebook passengers on a new flight within 48 hours of the original flight or they must offer the passenger a full refund.

Airlines push back against incoming passenger refund requirements, August 15, 2022, www.nationalpost.ca

Air Canada Provides Update on its Operational Improvement Initiatives



Source: Air Canada

Air Canada on August 17, 2022 provided the following update on its operational improvement initiatives implemented in response to the challenges the global airline industry has encountered emerging from the pandemic. "At Air Canada, we know how much our customers value travel and their reliance on us to transport them safely, comfortably and without disruption. This is always our goal and we share with them their disappointment that, coming out of the pandemic, the global industry faltered due to the unprecedented challenges of restarting after a two-year, virtual shutdown," said Michael Rousseau, President and Chief Executive of Air Canada.

Air Canada Provides Update on its Operational Improvement Initiatives, August 17, 2022, www.aircanada.ca

Air Canada Aligns with Task Force on Climate-related Financial Disclosures with First TCFD Report

Air Canada on August 17, 2022 issued its first report aligned with the Task Force on Climate-related Financial Disclosures (TCFD). Rousseau, President and Chief Executive Officer at Air Canada said "We are proud and pleased to release our first TCFD-aligned report, reinforcing Air Canada's long-standing commitment to transparency on Environmental, Social, Governance (ESG) matters, while underscoring our ongoing work towards achieving our long-term goal of net-zero greenhouse gas (GHG) emissions globally by 2050. Our objective is to provide investors and other stakeholders the necessary information to properly evaluate climate impacts and performance. This will also support our business development as we work to decarbonize and transform our industry with positive changes to help protect our planet for

our employees, customers and communities, now and well into the future."

Air Canada Aligns with Task Force on Climate-related Financial Disclosures with First TCFD Report, August 17, 2022, www.aircanada.ca

Manitoba sees stars as WestJet announces direct flights between Winnipeg and Los Angeles

WestJet on August 18, 2022 celebrated its newest route, with the announcement of service between Winnipeg and Los Angeles, beginning October 31, 2022. The route, which will operate three-times weekly on a year-round basis, will strengthen integral ties and convenience in transportation between Winnipeg's expanding television and film industry and the esteemed, world-renowned hub of entertainment itself, Los Angeles.

Manitoba sees stars as WestJet announces direct flights between Winnipeg and Los Angeles, August 18, 2022, www.westjet.ca

WestJet appeals order to compensate traveller after flight was cancelled due to lack of staff



Source: National Post

WestJet is appealing a ruling that ordered it to compensate a customer whose flight was cancelled because of a lack of staff. Last week, the airline company filed a motion to the Federal Court of Appeal (FCA) asking it to hear its appeal of a recent ruling by the Canadian Transportation Agency (CTA), the regulatory body that namely oversees airline compensation rules, despite filing past regular deadlines. The case could have significant impacts on Canadians' right to be compensated for recent air travel issues and delays due to well-documented airline staff shortages. WestJet believes the CTA wrongly interpreted federal rules when it ordered the company in a July 8 ruling to pay \$1,000 to traveller Owen Lareau after his flight home from Regina

was cancelled on the day of departure due to “crew members availability.”

WestJet appeals order to compensate traveller after flight was cancelled due to lack of staff , August 18, 2022, www.nationalpost.ca

US/WORLD

Business travel won't hit \$1.4 trillion pre-pandemic level until 2026

The recovery of global business-travel spending to the pre-pandemic level of \$1.4 trillion has been pushed out 18 months to mid-2026 by inflation, economic slowing and high energy prices, the Global Business Travel Association is forecasting. The return to the 2019 level also is being slowed by supply-chain disruptions, labor shortages, lockdowns in China and the effects of the war in Ukraine on nearby regions, according to the group's 2022 Business Travel Index Outlook. The report, released on August 15, 2022 at the association's annual convention, reviews business-travel spending in 73 countries and 44 industries. “The factors impacting many industries around the world are also anticipated to impact global business-travel recovery into 2025,” said Suzanne Neufang, the organization's chief executive officer. “The forecasted result is we'll get close, but we won't reach and exceed” the pre-pandemic spending until 2026. Global business travel is expected to total \$933 billion this year, 65% of the 2019 level. It should grow to \$1.16 trillion in 2023, expand to nearly \$1.4 trillion in 2025 and hit \$1.47 trillion in 2026. North America and Western Europe are expected to have the sharpest recoveries, growing to \$363.7 billion and \$323.9 billion, respectively, by 2026, the study showed.

Business travel won't hit \$1.4 trillion pre-pandemic level until 2026, August 16, 2022, www.ajot.com

WCS to Focus on Building Resilience in Air Cargo



Source: IATA

The International Air Transport Association (IATA) announced that the IATA World Cargo Symposium (WCS) will focus on building resilience to further strengthen air cargo's post-pandemic prospects. COVID-19 tested the resilience of the air cargo business. Despite challenging conditions, air cargo delivered critical medical supplies and vaccines across the globe and kept international supply chains open. For many airlines, as passenger numbers plummeted, air cargo was a crucial source of revenue. In 2021, air cargo revenues reached a record \$204 billion, which was more than double as compared to 2019 and accounted for some 40% of total airline revenues in 2021.

WCS to Focus on Building Resilience in Air Cargo, August 18, 2022, www.iata.org



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Rail Transport Updates

CANADA

Canadian Pacific and TCRC-T&E arbitration ends with new two-year collective agreement



Source: Railway Age.

Canadian Pacific Railway Limited and the Teamsters Canada Rail Conference (TCRC) – Train and Engine have announced a new two-year collective agreement following binding arbitration. The new agreement includes a 3.5 percent wage increase in 2022 and 2023 and increased benefits. Under the arbitration decision, the TCRC will also join a CP Pension Improvement Account. The new collective agreement runs through 2023. CP president and CEO Keith Creel said “CP welcomes the conclusion of arbitration and is pleased to have completed this agreement with the TCRC negotiating committee.”

Canadian Pacific and TCRC-T&E arbitration ends with new two-year collective agreement, August 15, 2022, www.cpr.ca; and CP and Teamsters come to agreement after arbitration, August 16, 2022, www.insidelogistics.ca

Lac-Mégantic Bypass Work Continues



Source: Railway Age

Nine years after the July 13, 2013 crude oil train runaway wreck at Lac-Mégantic, Quebec that claimed 47 lives and destroyed much of the village's downtown, the Government of Canada and Transport Canada continue preliminary work on building a bypass rail line. The line, now owned by Canadian Pacific, continues to operate through town. The bypass line is a government project. “CP continues to fulfill its commitments to the federal government for the delivery of this project,” spokesman Andy Cummings told *Railway Age*. The new 7.75-mile (12.5-km) line will pass through the municipalities of Nantes, Lac-Mégantic and Frontenac, specifically between mileposts 113.27 in the subdivision of Moosehead and 3.49 in the subdivision of Sherbrooke. The project also includes building two yard tracks in the Lac-Mégantic industrial park to allow the relocation of Nantes and Frontenac railway operations to this location. At the end of the project, the existing track will be dismantled.

Lac-Mégantic Bypass Work Continues, August 12, 2022, www.railwayage.com

Canadian Pacific and Kansas City Southern merger proposal receives clearance from Committee on Foreign Investment in the United States



Source: Financial Post

Canadian Pacific Railway Limited ("CP") on August 16, 2022 announced it has received the required regulatory clearance from the Committee on Foreign Investment in the United States ("CFIUS") for the proposed combination of CP and Kansas City Southern ("KCS"). CP completed its acquisition of KCS on Dec. 14, 2021. Immediately upon the closing of the acquisition, the shares of KCS were placed into a voting trust which ensures KCS will operate independently of CP while the U.S. Surface Transportation Board ("STB") completes its regulatory review of the companies' joint railroad control application to create Canadian Pacific Kansas City ("CPKC"), the only single-line railroad linking the United States, Mexico and Canada. The STB review of CP's proposed control of KCS is expected to be completed in early 2023.

Canadian Pacific and Kansas City Southern merger proposal receives clearance from Committee on Foreign Investment in the United States, August 16, 2022, www.cpr.ca

Keyera and CN announce agreement to evaluate a clean energy terminal solution in the Alberta Industrial Heartland

Keyera Corp. ("Keyera") and CN on August 16, 2022 announced the signing of a Memorandum of Understanding that will leverage their joint expertise to evaluate the creation of a specialized clean energy terminal in Alberta's Industrial Heartland. The new infrastructure would aggregate conventional and clean energy from multiple sources to support transportation of Alberta's diverse energy products and further strengthen the development of Canada's green energy future. "This project capitalizes on a core CN strength: sustainably moving Canadian

natural resources safely and efficiently to domestic and international markets" explained Tracy Robinson, CN's President and CEO. "We are pleased to be working with Keyera on this project which will benefit Alberta and the Canadian economy. The project will offer a unique opportunity to aggregate products from multiple producers and will provide an efficient mechanism to not only support Canadian industry but also further global energy transition."

Keyera and CN announce agreement to evaluate a clean energy terminal solution in the Alberta Industrial Heartland, August 16, 2022, www.cn.ca

US/WORLD

Rail traffic for the week ending August 13, 2022



Source: Railway Age

The Association of American Railroads (AAR) on August 17, 2022 reported U.S. rail traffic for the week ending August 13, 2022. For this week, total U.S. weekly rail traffic was 502,775 carloads and intermodal units, down 0.3 percent compared with the same week last year. Total carloads for the week ending August 13 were 237,851 carloads, up 1.3 percent compared with the same week in 2021, while U.S. weekly intermodal volume was 264,924 containers and trailers, down 1.8 percent compared to 2021. Canadian railroads reported 74,564 carloads for the week, up 2.7 percent, and 75,251 intermodal units, up 0.2 percent compared with the same week in 2021. For the first 32 weeks of 2022, Canadian railroads reported cumulative rail traffic volume of 4,596,939 carloads, containers and trailers, down 3.3 percent.

Rail traffic for the week ending August 13, 2022, August 17, 2022, www.ajot.com

US rail proposal includes 24 percent raises

The special board appointed by President Joe Biden to intervene in stalled railroad contract talks suggested on August 16, 2022 that 115,000 rail workers should get 24 percent raises and thousands of dollars in bonuses as part of a new agreement to avert a strike. Railroads and unions will use those recommendations as the basis for a new round of negotiations over the next month. It remains to be seen, however, whether railroads will agree to the higher wages or find ways to address union concerns about working conditions. If the two sides can't agree on a new deal by mid September, federal law would allow a strike or lockout. But Congress is likely to intervene before then to keep the supply chain moving.

US rail proposal includes 24 percent raises, August 17, 2022, www.insidelogistics.ca

Biden Administration, USDOT Announce Over \$233 Million in Grants to Upgrade Intercity Passenger Rail Service

The U.S. Department of Transportation on August 18, 2022 awarded over \$233 million to 11 projects in 8 states to improve and modernize vital intercity passenger rail service. Funded by the Federal-State Partnership for State of Good Repair Program (Partnership Program), these investments will help replace bridges and tunnels along the Northeast Corridor in New York, New Jersey, Maryland, and Connecticut, each of which is more than 100 years old. Additional funds will increase the safety, reliability, and sustainability of rail infrastructure in California, Michigan, and Massachusetts and make needed improvements to the busiest train station in the Midwest: Chicago Union Station.

Biden Administration, USDOT Announce Over \$233 Million in Grants to Upgrade Intercity Passenger Rail Service, August 18, 2022, www.dot.gov



CANADA

Vancouver port bottlenecks ease but cargo still stuck for days - Maersk shifting Vancouver calls due to congestion



Source: Financial Post

The worst of Canada's supply chain bottlenecks may be over as port congestion and freight delivery times are starting to improve, according to a Desjardins Economic Studies [report](#), but a full recovery may still have some way to go as freight transportation by rail from the Port of Vancouver continues to experience long delays. The Vancouver Fraser Port Authority (VFPA) on August 15, 2022 said two of its four container facilities still had dwell times — the time it takes for containers to be taken away after being unloaded from the ship — of more than seven days. The longer cargo is stuck in port, the more it costs shippers in higher inventory holding costs. Delays and congestion have promoted Maersk to alert customers to changes in their scheduled calls at the Port of Vancouver. In a note to customers, the liner company said West Coast terminals have experienced berthing delays in recent weeks due to inland network congestion, particularly in Toronto and Montreal. As these inland terminals became congested, the supply of rail cars to the

terminals were restricted/stopped. This situation has had a detrimental impact on the terminals, which are not designed for storing containers.

Vancouver port bottlenecks ease but cargo still stuck for days, August 17, 2022, www.financialpost.ca; and Maersk shifting Vancouver calls due to congestion, August 18, 2022, www.insidelogistics.ca

Transport Canada ensuring safety on the water by restricting vessel traffic on the St. Clair River on August 21, 2022

To ensure the safety of everyone on the water, Transport Canada is restricting the movement of vessel traffic within the public Port of Sarnia. Under these restrictions, no unauthorized traffic will be permitted on the Canadian side of the St. Clair River, from the Blue Water Bridge, to the upper end of Stag Island, between noon and 8 p.m. on August 21, 2022. A Navigational Warning (NAVWARN) about temporary vessel restrictions for this day was issued on August 17, 2022. Mariners are requested to adjust the timing of their transit in the area to avoid entering the safety zone during the temporary restrictions. If a vessel seeks to manoeuvre within these waters during this time, they must obtain authorization from Transport Canada.

Transport Canada ensuring safety on the water by restricting vessel traffic on the St. Clair River on August 21, 2022, August 17, 2022, www.tc.gc.ca

The Government of Canada releases first results of environmental measures for cruise ships

In April 2022, Transport Canada announced strict environmental measures for wastewater on cruise ships that exceed international standards. These measures were put in place this year as part of the restart of cruise ships entering and operating in our waters, and will help keep our oceans and environment clean. As part of this new suite of environmental measures, the cruise industry was, and continues to be, required to document and report to Transport Canada on implementation. Compliance with the enhanced measures is also verified during formal inspections of cruise ships. The first set of results from this reporting demonstrates that the cruise ship industry has successfully implemented the new measures thus far this year.

The Government of Canada releases first results of environmental measures for cruise ships, August 18, 2022, www.tc.gc.ca

US/WORLD

Hapag-Lloyd CEO: US consumer still ‘holding up,’ demand not collapsing

The container shipping outlook from Hapag-Lloyd, the world’s fifth-largest liner company: Demand is moderating, spot freight rates should keep ticking lower, and congestion — currently very high — should abate. But demand is not collapsing. Congestion in some regions, such as the U.S. East Coast, is more stubborn than in others. And higher contract rates will offset spot rate declines, leading to near-record second-half profits. “The U.S. consumer seems to be holding up reasonably well,” Hapag-Lloyd CEO Rolf Habben Jansen said during a conference call on Thursday. “If you look at the first half, trans-Pacific volumes were growing [year on year], which is remarkable given the steep increases we saw in 2021 versus 2020.” According to CFO Mark Frese, “Currently, markets are talking intensively about weakening demand. But despite all the bad news, demand remained robust in the reporting period [Q2].” Commenting on import demand as of today, halfway through Q3, Habben Jansen said: “We see U.S. demand holding up, whereas certainly in Europe and some other places there’s probably more nervousness and uncertainty. We don’t see demand falling off a cliff — anywhere.

Hapag-Lloyd CEO: US consumer still ‘holding up,’ demand not collapsing, August 11, 2022, www.freightwaves.com

July throughput record for Shanghai shows full recovery from lockdown

The jump in July 2022 throughput at the world’s biggest container port came as US imports from Asia last month rose from both June 2022 and the year-ago period.

July throughput record for Shanghai shows full recovery from lockdown, August 18, 2022, www.joc.com

Rising cargo volumes continue for Gulf Coast ports in July

Cargo volumes at major Gulf Coast ports continue to climb following a surge in demand for steel, dry bulk, petroleum and crude oil, according to data from each port. Port Houston handled a record amount of imported steel, with volumes from January through June 2022 up 92% compared to last year’s volume during the same period. “Import steel is at levels we haven’t seen in nearly a decade,” Roger Guenther, Port Houston’s executive director, said during the port commission’s regular monthly meeting Aug. 2, 2022. “Total tonnage across all the public facilities is up 24% year to date.” Port of Mobile set monthly TEU record in July 2022 making it the busiest month on record for containerized cargo at the Port, with the Alabama State Port Authority reporting more than 50,000 TEUs for the first time since it started operations in 2008. The Port of Corpus Christi in South Texas moved more than 16.5 million tons of cargo in July 2022, a 22% y/y increase from the same month in 2021. The port handled 9.9 million tons of crude oil, a 25% increase compared to the same period a year ago. Exports of crude oil were at 8.9 million tons, a 20% increase compared to last year.

Rising cargo volumes continue for Gulf Coast ports in July, August 18, 2022, www.americanshipper.com

Northwest Passage season starts:

The 124 m Bahamian cruise ship National Geographic Resolution, was the first ship of the 2022 season to transit the Northwest Passage, making a westbound voyage. The ship departed Kangerlussuag, Greenland July 17. and arrived Nome, Alaska August 7. She then sailed directly to Vancouver, arriving August 16th for a visit to Vancouver Drydock.

The 143 m Dutch cargo ship Azoresborg is making the first eastbound transit this year. The 17,407 dwt ship sailed Lianyungang, China July 20 with a full load of carbon anodes for Baie Comeau. The ship picked up

her ice pilot August 2 at Nome. Her current ETA Baie Comeau is August 21.



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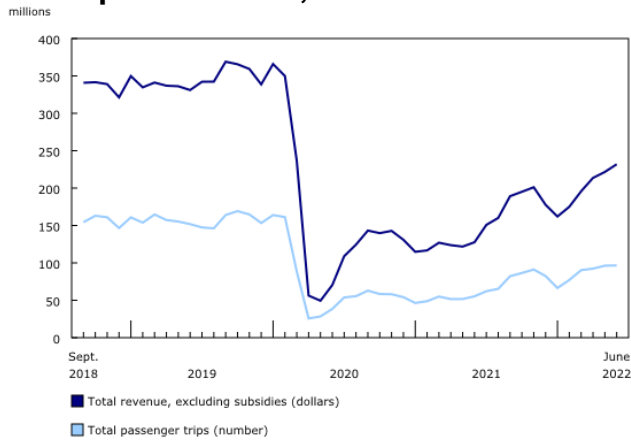
Transportation's Top Stories

Road Transport Updates

CANADA



Urban public transit, June 2022



Source: Statistics Canada

In June 2022, Canada's urban transit ridership reached over 96 million passenger trips, an increase of more than 40 million from June 2021. With COVID-19-related restrictions eased across the country, many workers returned to the workplace on a full time or hybrid basis, helping to push transit recovery to a new high—63.6% of its pre-pandemic ridership from June 2019. In June 2022, transit agency operating revenues (excluding subsidies) reached \$231.9 million—an increase of \$104.3 million from the same month in 2021. While this total revenue was the highest level recorded since March 2020, it was still 30.0% below the operating revenues earned in June 2019, before the pandemic. Urban public transit operating revenue and passenger trips, monthly, 2018 to 2022 are shown in the chart.

Urban public transit, June 2022, August 18, 2022, www.statcan.gc.ca



Eaigle eyes ways to refine trucking by using AI

Ontario-headquartered Eaigle believes many solutions can be found by applying artificial intelligence (AI) – and it's done that very thing for clients such as Walmart Logistics, Agropur, and Cargill. CEO Amir Hoss first experienced AI when working for an automotive OEM, where the technology helped refine manufacturing processes. It's where AI-based camera systems were used to inspect everything from paint colors to alignments within seconds – a vital step when a car rolls off an assembly line every 45 seconds. But Eaigle was established to apply such technologies to an array of applications, particularly those in the world of logistics. Hoss says “The idea was to ensure that people don't spend their time on redundant tasks, on tasks that a \$100 camera or a solution can simply replace.”

Eaigle eyes ways to refine trucking by using AI, August 16, 2022, www.todaystrucking.ca



Competition Bureau cautions snow plow operators



(Photo: istock)

Canada's Competition Bureau is warning snow removal companies that they are walking on “thin ice” if they talk about certain subjects with competitors. “Some competing snow removal companies in your region may approach you soon or over the course of the winter, offering to

'share the workload' or 'split streets' with you. They might even try to convince you to apply a surcharge for a heavy snowfall season," the Bureau says in an Aug. 11 notice. "Agreements with competitors on these topics are illegal and could have significant consequences for you and your business." Snow removal businesses are prohibited from agreeing with competitors about charges, increases or surcharges; territories or streets to be covered; or the number of customers to be signed up. The regulator recommends deciding on pricing independently, explaining contract terms to customers, and reporting suspicious activity through the Bureau's whistleblowing initiative.

Competition Bureau cautions snow plow operators, August 12, 2022, www.todaystrucking.ca

Mubadala Capital to acquire Canada Cartage, the leading short-haul trucking and logistics business in Canada

Mubadala Capital, the wholly owned asset management subsidiary of Mubadala Investment Company, announced the entry into a definitive agreement to acquire Canada Cartage. Canada Cartage currently operates through a network of 33 facilities across Canada and is comprised of two business segments: Dedicated Transportation and Logistics. Canada Cartage's Dedicated Transportation business provides its customers with expert management of their transportation needs, allowing them to realize cost efficiencies and reallocate resources towards core operations. This segment secures essential transportation and distribution services that are embedded into customer operations and are predominantly comprised of contracted partnerships with customers that in many cases span decades and multiple economic cycles.

Mubadala Capital to acquire Canada Cartage, the leading short-haul trucking and logistics business in Canada, August 11, 2022, www.ontruck.org

US/WORLD

Autonomous trucks will do jobs human drivers don't like, panel says

As human drivers step back from longhaul and middle-mile work, autonomous trucks could help fill less-desirable roles. Some might say this is going to take jobs away from drivers, but this is not so, says Stephan Olsen, Paccar's general sales manager, fleet & specialty

markets. Truckers want to be home every night and are seeking first- and last-mile jobs, he adds. Letting them choose jobs that offer more family time will keep them in an industry that is facing a truck driver shortage. Let the machines do jobs that humans don't want to do, he said during a session at Trimble's Insight Tech User Conference and Expo in Orlando. "Autonomy is a hand-in-glove scenario with hauling freight that has some benefit to human drivers."

Autonomous trucks will do jobs human drivers don't like, panel says, August 17, 2022, www.insidelogistics.com



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Other Transport Updates

CANADA

Trudeau trade chief vows to keep pushing US on global tax deal



Canada's trade minister Mary Ng. Source: AJOT

Canada's trade minister praised US passage of a landmark tax and climate-change bill, playing down the potential for conflict over what was left out of it. Mary Ng said legislation approved on August 12, 2022 afternoon by the House of Representatives represents a diplomatic victory for Prime Minister Justin Trudeau's government. She led the push against an earlier proposal that would have restricted electric vehicle tax credits to cars and trucks built by unionized US workers, making it harder for Canadian auto plants to compete. "This recognizes the importance of the integrated supply chain that has always been Canada and the United States in making automobiles," Ng said by phone from her district in suburban Toronto. "It's really good for workers and it's really good for jobs." *The Inflation Reduction Act* that's now headed to President Joe Biden's desk includes language that applies the incentives to vehicles built anywhere in North America. But it was stripped of a change that would have brought the US in line with a global deal on a 15% minimum corporate tax.

Trudeau trade chief vows to keep pushing US on global tax deal, August 14, 2022, www.ajot.com

US/WORLD

China's reliance on Taiwan would make trade retaliation costly

China's military drills after US House Speaker Nancy Pelosi visited Taiwan sparked alarm around the region, although its trade retaliation barely made a dent -- mostly because Beijing doesn't want to hurt itself. The value of trade targeted by China's sanctions contributes a tiny amount of less than 1% to Taiwan's gross domestic product, according to economists, taking the sting out of China's announcements. Beijing could ramp up actions by targeting more food products, wood or minerals. But levies on any big-ticket items that would cause real damage to Taipei -- such as semiconductors -- are near-unthinkable, given China's reliance on the island for cutting-edge technology. "The chance remains relatively low" for China to target Taiwanese tech, said Ma Tiejing, an economist at DBS Group Holdings Ltd. "If you look at Taiwan's role in global semiconductor supply, it's very much dominant. It would be very difficult for China to find the alternative supply if it bans the Taiwan-made semiconductors." Beijing still has a few tools it could deploy to pressure Taipei. China and Hong Kong account for around 40% of Taiwan's total exports, though Taipei has made efforts to reduce its economic dependence on China in recent years. More restrictions would be an economic headache for Taiwan, which is already grappling with slowing global demand for electronics and high inflation, cooling its growth outlook.

China's reliance on Taiwan would make trade retaliation costly, August 16, 2022, www.ajot.com



Job Postings

* **Senior Transportation Planner Freight & Logistics- Arup (New York, New York, United States)**

Responsibilities

- Managing projects in transportation planning, freight planning, logistics consulting and/or supply chain.
- Advising clients on land use impacts, the future of mobility, sustainability, operational improvements, and/or supply chain management best practices.
- Preparing and presenting effective presentations for internal and external meetings and representing Arup to clients and the general public.
- Delivering high-quality products, undertaking financial management of projects, and management of subcontractors.
- Provide excellent client care and show an affinity to create and develop strong client relationships.
- Provide in-depth knowledge in a specialist area that is transportation and/or logistics related.
- Representing Arup's freight planning and logistics group on cross-functional projects.
- Contributing to the growth of the business through development of proposals and development of partnerships with key collaborators.

Qualified professionals will have:

- A Bachelor's or Master's Degree in Planning, Industrial Engineering, Civil Engineering, Transportation, Geography, Economics, Operations Management or other built environment, industry, or management-related field.
- A minimum of 5 years of relevant experience, with at least 1 year spent managing projects.
- Past experience working in transportation planning, logistics, and/or supply chain operations in a complex urban environment.

- Excellent written, verbal, and visual communication skills.
- Excellent planning and organization skills, and the ability to manage multiple assignments simultaneously.
- Experience in team-based working and project delivery.
- A desire to be proactive, entrepreneurial, and willing to take on new challenges.
- Preference for experience with data management, GIS, and/or discrete event simulation modeling (e.g. Simio).
- Preference for professional qualification and/or engineering license (e.g.: PE, AICP, CMILT, Envision)

For more details about Arup and the job position and how to apply, visit: <https://jobs.arup.com/jobs/senior-transportation-planner-freight-logistics-10569>

* **Postdoctoral Scholar in Sustainable Freight Transportation Technologies**

The College of Engineering – Center for Environmental Research and Technology (CE-CERT) at the University of California, Riverside, is seeking a highly motivated postdoctoral scholar to join our Transportation Systems Research (TSR) group in conducting research related to sustainable freight transportation technologies. Candidates with knowledge and research experience in freight travel demand modeling, vehicle scheduling and routing, vehicle energy and emissions modeling, geospatial data analysis, advanced optimization, machine learning, and high-performance computing, are encouraged to apply. The TSR group consists of a multidisciplinary team of more than 20 faculty members, graduate and undergraduate students, and staff engineers. We conduct research in the areas of advanced vehicles and intelligent transportation systems with a focus on developing and

evaluating technologies that improve the travel and energy efficiencies as well as reduce the environmental impact of transportation activities. Several recent and current research projects involve the development of novel sustainable freight transportation technologies, all the way from conceptualization to design, simulation, prototyping, and real-world demonstration.

Specific activities of the successful candidate may include:

- Develop new vehicle scheduling and routing techniques and evaluate their effectiveness
- Model energy, emissions, and air quality impacts of freight movement
- Conduct field testing of new vehicle scheduling and routing techniques
- Perform mining, analysis, visualization, and interpretation of vehicle activity big data
- Assist in producing high-quality publications, reports, and research proposals
- Support additional related research projects as needed

Please click here to view the view description and qualifications:

https://www.cert.ucr.edu/sites/g/files/rcwecm1251/files/2021-10/2021_TSR%20postdoc%20position_2021.10.27.pdf

Those interested should send their curriculum vitae and a cover letter to certjobs@cert.ucr.edu with the subject "TSR Postdoc Position". In the cover letter, please provide a statement of research interests and experience.

*** Open rank professor of transportation engineering practice - University of Southern California**

The Sonny Astani Department of Civil and Environmental Engineering (<https://usccareers.usc.edu/job/los-angeles/open-rank-professor-of-transportation-engineering-practice/1209/18305287552>) in the USC Viterbi School of Engineering is searching for outstanding faculty candidates for a teaching position (Lecturer or higher rank) to teach undergraduate and graduate courses on topics related to the area of transportation engineering. This is a full-time, benefits-eligible, teaching faculty position on the non-tenure track. The USC Viterbi School of Engineering is committed to increasing the diversity of its faculty and welcomes applications from women, individuals from racial/ethnic

populations demographically underrepresented in engineering, veterans, and individuals with disabilities.

Competitive candidates will have the training and experience to teach effectively in a highly ranked department that advances undergraduate students through an accredited B.S. degree program, and graduate students enrolled in world-class M.S. and Ph.D. programs. We are particularly interested in candidates with experience and expertise in transportation engineering, able to teach courses in subjects that include but are not limited to the following:

- Intelligent Transportation Systems: Automated, connected, autonomous, and shared vehicles; smart intersections; adaptive traffic control; freeway operations; congestion pricing; emerging distributed ledger technology; cyber-physical security.
- Traffic Engineering: Geometric design, corridor studies, traffic signal synchronization and wide area control, congestion mitigation and management.
- Human factors: Safety, trust in automation, decision making.
- Infrastructure: Management and finance; design of facilities; constructability; pavement management; electrification and charging; system safety, security, and resilience.
- Transportation Systems Analysis: Network level of service and performance; network design; transport economics; mobility as service; transportation informatics and data science; data marketplace; privacy.
- Sustainable Transportation Systems: Electric vehicles; micro-mobility; greenhouse gas emissions and air pollution; life-cycle costs.
- Design of Supply Chains: Distribution, transportation, and supply chain integration; analysis and optimization of supply chain networks, fleet management, multimodal systems, port management and operations, marine transportation.
- Transportation Planning: Urban transit and integrated mobility, equity in transportation access, travel demand modeling, activity system analysis, and land use-transport interactions.

Additional experience and expertise with all modes of transportation, including air and water, will receive favorable attention.

While we seek applications at the rank of Lecturer, in exceptional cases applicants with longer and more accomplished teaching experience and/or other significant credentials may also be considered for a commensurate higher-ranked position (e.g., Senior Lecturer, Associate Professor of Practice, or Professor of Practice). A candidate with appropriate qualifications may also be considered for an appointment to serve as the Director of our Master of Science Civil Engineering (Transportation Engineering), Master of Science Civil Engineering (Transportation Systems), and Master of Science in Transportation

Systems Management degree programs, and our Graduate Certificate Program in Transportation Systems. The responsibilities of this position include (in addition to teaching): Oversight of degree requirements; curriculum development; recruitment and advisement of students; liaison activities with other departments, schools, and research centers on campus, and local professional groups; specialized co-curricular student opportunities; coordination with the department in identifying, recruiting, and selecting instructors for courses; among other duties.

We invite applications from candidates knowledgeable in civil, traffic, and transportation engineering, and transportation planning, and we will focus on a candidate's experience, track-record, and their potential during the review process. All candidates are expected to have a strong commitment to teaching. An earned doctorate degree in civil engineering or a closely related technical field is required.

The position is available starting August 16, 2022. Candidates should apply on-line. Applications must include a cover letter, a detailed curriculum vitae, a teaching statement (up to 2 pages), a succinct statement on fostering an environment of diversity and inclusion, and the contact information for at least three professional references (at least two of whom must be familiar with and able to comment on the applicant's teaching experience). To receive full consideration, applications should be submitted by 31 January 2022; applications received after this deadline might not be considered. All application materials will be held in the strictest confidence. For more information, interested individuals are welcome to contact Prof. James Moore, Sonny Astani Department of Civil and Environmental Engineering, University of Southern California, 3620 South Vermont Avenue, Los Angeles, CA 90089-2531 (email: jmoore@usc.edu).

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