

December 19 - 20, 2019 | UN ECA | Addis Ababa, ETHIOPIA

DRAFT CONFERENCE PROGRAM

ETHIOPIA 2050 - SUMMARIZED CONFERENCE PROGRAM - DECEMBER 19-20, 2019

	Day 1 – December 19, 2019					Day 2 – December 20, 2019				
Time	Main Hall	Hall A	Hall B	Hall C	Hall D	Main Hall	Hall A	Hall B	Hall C	Hall D
8:15AM – 9;00AM		Registration (Main Hall)								
9:00AM - 10:45AM (1 ^h 45 ^m)	Welcome & Opening Session (Main Hall) Welcome Statement by Executive Director of Ethiopian Academy of Sciences Opening Statement – Guest of Honor Plenary Talk – H.E. Minister A Keynote 1, Keynote 2, Keynote 3					Plenary Session (Main Hall) Welcome Statement by Host Organization Plenary Talk – H.E. Minister C Plenary Talk – Policy Maker B Keynote 1, Keynote 2, Speaker 1, Speaker 2				
10:45AM - 11:15AM		Morning Coffee Break								
11:15AM 12:45PM (1 ^h 30 ^m)	Plenary Session (Main Hall) Plenary Talk – H.E. Minister B Keynote Speech – Policy Maker A Speaker 1 Speaker 2 Speaker 3						Cross-Cutting Theme I (Infrast for 200 million people. Nexus of Water, Food, Health, Energy) Keynote Speech Speakers 8A-11A	Cross-Cutting Theme II Technology as Cross-Cutting Growth Driver [Fin/Agr/ HealthTech] Keynote Speech Speakers 8B-11B	Cross-Cutting Theme III Globally Competitive Workforce Development Joint with ESAN Keynote Speech Speakers 8C-11C	Cross-Cutting Theme IV Societal Opportunities & Threats in Bridging Ethiopia Today & Ethiopia 2050 Keynote Speech Speakers 8D-11D
12:00PM - 12:45PM		Speaker 4					Panel Discussion	Panel Discussion	Panel Discussion	Panel Discussion
12:45PM – 1:45PM		Lunch								
1:45PM – 3:15PM (1 ^h 30 ^m)		Theme I-A (Water, Food, Health, Energy)	Theme II-A (Infrastructure – Urbanization Sustainability, Transportation)	Theme III-A (Economic Growth Drivers – Adv. Manfg, Workforce Dev., ICT)	Theme IV-A (Human Capital with Diversity and Inclusion)	Plenary Session – Towards Sustainability (Main Hall) Keynote 1, Keynote 2, Keynote 3, Keynote 4 1. Sustainability Program – 2 Pilot Projects 2. Panel Discussion on Sustainability (Policy Makers +				
3:15PM – 4:00PM		Keynote Speech Speakers 1A-4A Panel	Keynote Speech Speakers 1B-4B Panel	Keynote Speech Speakers 1C-4C Panel	Keynote Speech Speakers 1D-4D Panel				Makers +	
4:00PM -	Discussion Discussion Discussion Discussion Speakers) Afternoon Coffee Break									
4:15PM 4:15PM – 5:15PM (1 ^h 00 ^m)		Theme I-B (Water, Food, Health, Energy) Keynote Speech Speakers 5A-7A	Theme II-B (Infrastructure – Urbanization Sustainability, Transportation) Keynote Speech Speakers 5B-7B	Theme III-B (Economic Growth Drivers – Adv. Manfg, Workforce Dev., ICT) Keynote Speech Speakers 5C-7C	Theme IV-B (Cross-Cutting Grand Challenge Topics) Keynote Speech Speakers 5D-7D	Plenary Closing Session – Grand Challenge Initiative 1. Ideas & Visions - Blue Ribbon Panel Summary by Scribes 2. Planning II nd ETHIOPIA 2050 Conference – 2022				
5:15PM – 6:00PM		Panel Discussion	Panel Discussion	Panel Discussion	Panel Discussion			Closing Re	marks	
6:15PM – 7:30PM			Cocktail Red	eption		Cocktail Reception				

CONFERENCE PROGRAM

Day 1 – Thursday, December 19, 2019

		day, December 13, 2013
Time	Theme Event	Program
	Room	
8:15AM – 9:00AM		REGISTRATION
0.101	MAIN HALL	REGIOTRATION
9:00AM - 9:05AM		Welcome Statement - Professor Masresha Fetene (Executive
	0	Director, Ethiopian Academy of Sciences) on behalf of leadership of
	Opening	Co-Hosting Organizations
9:05AM - 9:35AM	Session	Opening Statement – Guest of Honor
9.03AW - 9.33AW		Opening Statement - Guest of Honor
		Session Chair: Professor Shifferaw Taye
		Session Chair. Professor Shineraw Taye
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9:35AM - 10:45AM	Day 1	Plenary Talk – H.E. Dr. Ing Getahun Mekuria (MiNT)
		Keynote Speaker – Dr. Debrework Zewdie (over-arching theme)
		Keynote Speaker – Professor Meskerem Tadesse (policy)
		Keynote Speaker – Professor Yacob Mulugetta (energy)
10:45AM - 11:15AM		Morning Coffee Break
		9
		Session Chair - Ato Demirew Getachew (Eth. Economic Assoc.)
	MAIN HALL	,
11:15AM - 12:45PM		Plenary Talk – H.E. Dr. Seleshi Bekele (Min of Water, Irri & Elec)
11.10/ WI 12.401 WI	Dianami	Keynote Speaker – Professor Sossina Haile
	Plenary	Speaker 1 – Dr. Aynalem Adugna (Pop. Science) (CA, USA)
	Session	
		Speaker 2 – Dr. Awegechew Teshome – Food Security (Canada)
		Speaker 3 – Ato Mesay Amerga – Commun. Technology (Apple, USA)
		Speaker 4 – Professor Ayenew Ijigou – Rural Devt. (AAU, ET)
12:45PM – 1:45PM		Lunch
		TI D: (0 101 II
Para	allel Sessions A	 Theme on Drivers of Grand Challenges
		Parallel Session IA
		Session Chair: Professor Desta Mebratu; BRP Scribe: TBD
1:45PM – 3:15PM	HALL A	Keynote Speaker – Professor Desalegn Rahmato
		Speaker 1A – Dr. Woubalem Fekade (Nile Basin, ET)
	Grand	Speaker 2A – Dr. Semu Moges – Water Resources (U Conn, USA)
		Speaker 3A – Ato Mersie Ijigou – Strategic Planning (USA/ET)
	Challenge	Speaker 4A – Professor Tessema Astatkie (Canada)
	Theme I-A	Panel Discussion Moderator: Dr. Dejene WoldeMariam
2.45004 4.0004	(Water, Food,	Part I – Water Resources Management & Planning
3:15PM – 4:00PM	Health, Energy)	Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato
		Imiru Tamrat, Dr. Woubalem Fekade, Dr. Semu Negus
		Topic: How do current integrated water resources management masterplans
	Day 1	foresee the grand challenges identified in this report (explosive population
	Day	growth and climate change)? How can technologies in the horizon enable
		bolder technical solutions that were once considered impractical and too
	11411 -	expensive?
	HALL B	Parallel Session IIA
	Grand	Session Chair: Ato Tesfaye Workineh; BRP Scribe: TBD
1:45PM – 3:15PM	Challenge	Keynote Speaker – Professor Asfaw Beyene
	Theme II-A	Speaker 1B – Professor Girma Bitsuamlak (Canada)
	(Infrastructure	Speaker 2B – Professor Mulatu Wubneh (SC, US + Gondar, ET)
	- Urbanization	Speaker 3B – Dr. Gulilat Kebede (New School, USA)
		Speaker 4B – Dr. Joseph Beyene – Healthcare (Canada)
3:15PM – 4:00PM	Sustainability,	Panel Discussion Moderator:
J. 101 WI 4.001 WI	Transportation)	Panel Members: Speakers + Ato Asnake Kebede, Dr. Henok Fikre
I and the second	I	ranenwennuers. Speakers + Alo Ashake Nebeue, Dr. menok Fikre

		Parallel Session IIIA
	HALL C	Session Chair: Ato Amare Mergia; BRP Scribe: TBD
1:45PM – 3:15PM	Grand	Keynote Speaker – Ato Yodahe Zemichael (ET – PM Office)
1.431 W 3.131 W		
	Challenge	Speaker 1C – Dr. Solomon Assefa (IBM, South Africa)
	Theme III-A	Speaker 2C – Ato Asseged Mamo (Addis)
	(Economic	Speaker 3C – Dr. Ibrahim Yimer (Canada Research Council)
	Growth Drivers	Speaker 4C – Ato Seifu Chernet (ET) -Dr. Temesgen Kindo (Boston)
3:15PM - 4:00PM	- Advanced	Panel Discussion Moderator: Professor Mitiku Haile
		Panel Members: Speakers + Dr. Kommy Woldemariam, Ato
	Manufacturing,	Messay Mergia, Ato Mekonnen Kassa, Ato Yilkal Abate, Ato
	Workforce	Abere Shiferaw
	Development,	Abere Silleraw
	ICT)	
1:45PM – 3:15PM	HALL D	Parallel Session IIIA
1.45FW = 5.15FW		
	Grand	Session Chair: Ato Gabriel Seifu; BRP Scribe: TBD
	Challenge	Keynote Speaker – Professor Fetien Abay
	Theme IV-A	Speaker 1D – Ms. Mahlet Mesfin (USA)
	(Human Capital	Speaker 2D - Professor Assefa Hailemariam (Pop Studies, ET)
		Speaker 3D – Ato Yilkal Abate – ICT (ET)
	with Diversity	Speaker 4D – Dr. Abebe Kebede (NCAT, USA)
2.45004 4.00004	and Inclusion)	
3:15PM – 4:00PM		Panel Discussion Moderator: Ato Gabriel Seifu
		Panel Members: Speakers
4:00PM - 4:15PM	0 ((D	
4:00PW - 4:15PW	Coffee Break	
	Parallel Sessior	s B – Theme on Grand Opportunities
		Parallel Session IB
		Session Chair: Dr. Assefa Mesele; BRP Scribe: TBD
	HALL A	Keynote Speaker – Professor Mammo Muchie
4.45DM 5.45DM		
4:15PM – 5:15PM	Grand	Speaker 5A – Dr. Abate Wolde-Kiros (USA)
	Challenge	Speaker 6A – Eng. Eskinder Woudneh (ET)
	Theme I-B	Speaker 7A – Ato Eyob Berhane (ET)
	(Water, Food,	Speaker 8A – Professor Damena Agonafer (WUSTL)
	Health, Energy)	Panel Discussion Moderator: Dr. Dejene WoldeMariam
	rieditii, Lilergy)	
5·15PM _ 6·00PM	Treattii, Ellergy)	Part II – Water Resources Management & Planning
5:15PM – 6:00PM	meann, Energy)	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato
5:15PM – 6:00PM	Treattri, Errergy)	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh
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5:15PM – 6:00PM	Day 1	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy
5:15PM – 6:00PM		Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such
5:15PM – 6:00PM		Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics?
5:15PM – 6:00PM		Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market?
5:15PM – 6:00PM	Day 1	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB
		Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market?
5:15PM – 6:00PM 4:15PM – 5:15PM	Day 1	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB
	Day 1 HALL B Grand	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet
	Day 1 HALL B Grand Challenge	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET)
	HALL B Grand Challenge Theme II-B	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US)
	HALL B Grand Challenge Theme II-B (Infrastructure	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET)
	HALL B Grand Challenge Theme II-B	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET)
	HALL B Grand Challenge Theme II-B (Infrastructure – Urbanization	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD
	HALL B Grand Challenge Theme II-B (Infrastructure - Urbanization Sustainability,	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET)
	HALL B Grand Challenge Theme II-B (Infrastructure – Urbanization	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD
4:15PM – 5:15PM	HALL B Grand Challenge Theme II-B (Infrastructure - Urbanization Sustainability,	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD Panel Members: Speakers
4:15PM – 5:15PM	HALL B Grand Challenge Theme II-B (Infrastructure - Urbanization Sustainability,	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD Panel Members: Speakers Topic:
4:15PM – 5:15PM	HALL B Grand Challenge Theme II-B (Infrastructure - Urbanization Sustainability,	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD Panel Members: Speakers Topic: 1. What sort of visions can be formulated to enable provision of innovative community infrastructure financing and ownership models, for
4:15PM – 5:15PM	HALL B Grand Challenge Theme II-B (Infrastructure - Urbanization Sustainability,	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD Panel Members: Speakers Topic: 1. What sort of visions can be formulated to enable provision of innovative
4:15PM – 5:15PM	HALL B Grand Challenge Theme II-B (Infrastructure - Urbanization Sustainability,	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD Panel Members: Speakers Topic: 1. What sort of visions can be formulated to enable provision of innovative community infrastructure financing and ownership models, for maximizing local options without resorting to large-scale publicly funded
4:15PM – 5:15PM	HALL B Grand Challenge Theme II-B (Infrastructure - Urbanization Sustainability,	Part II – Water Resources Management & Planning Panel Members: Eng. Mersha Sahle, Eng. Mekuria Tafesse, Ato Imiru Tamrat, Eng. Eskinder Woudneh Topic: 1. In the Ethiopian context, what are some of the most promising energy storage technologies for power generated by renewable resources such as wind and photovoltaics? 2. What are the prospects for exporting power to the African market? Parallel Session IIB Session Chair: Arch. Betelehem Demissie; BRP Scribe: TBD Keynote Speaker – Professor Lemma WoldeSenbet Speaker 5B – Dr. Abrham Gebre (ET) Speaker 6B – Ato Alazar Tesfaye (CO, US) Speaker 7B – W/t MistreSelassie Y (ET) Speaker 8B – Ato Tekle Maru (Railways, ET) Panel Discussion Moderator: TBD Panel Members: Speakers Topic: 1. What sort of visions can be formulated to enable provision of innovative community infrastructure financing and ownership models, for maximizing local options without resorting to large-scale publicly funded

		2. What are some of the thoughts regarding availability of innovative finance, ownership models, and community participation for urban housing?
		Parallel Session IIIB
	HALL C	Session Chair: Ato Yilkal Abate; BRP Scribe: TBD
4:15PM – 5:15PM	Grand	Keynote Speaker – Dr. Fisseha Mekuria (South Africa)
	Challenge	Speaker 5C – Professor Atsede Woldie (UK)
	Theme III-B	Speaker 6C – Ato Asres Shiferaw (Boeing, USA)
		Speaker 7C – Dr. Abiyot Bayou (ET)
	(Economic	Speaker 8C – Professor Asmamaw Tadege Shiferaw (Norway)
	Growth Drivers	Panel Discussion Moderator:
	- Advanced	Panel Members: Speakers + 2 Panelists
5:15PM – 6:00PM	Manufacturing,	Topic:
5. 15PW - 6.00PW	Workforce	How do we prepare Ethiopia for Industry 4.0 with advances in intelligent
	Development,	manufacturing, additive manufacturing, and related manufacturing
	ICT)	technologies?
	HALL D	Parallel Session IVB
	Grand	Session Chair: Professor Asrat Worku; BRP Scribe: TBD
4:15PM – 5:15PM		Session Chair. Professor Asiat Worku, DKF Scribe. IDD
4.131 W = 3.131 W	Challenge	Keynote Speaker – Professor Desta Mebratu (South Africa)
	Theme IV-B	Speaker 5D – Dr. Henok Fikre - Sustainability (ET)
	(Cross-Cutting	Speaker 6D – Dr. Heriok Fikie - Sustainability (E1) Speaker 6D – Ato Deres Tesfaye - ICT (US)
	Grand	Speaker 7D – Ato Deres Teslaye - 101 (03) Speaker 7D – Ato Hailu Seifu – Manufacturing (ET)
	Challenge	
	Topics)	Speaker 8D – Professor Getachew Assefa – Sustainability/Mfg (Canada)
		Panel Discussion Moderator:
5:15PM – 6:00PM		Panel Members: Speakers + 2 Panelists Topic:
3. 13PW - 0:00PW		How do we prepare Ethiopia for Industry 4.0 with advances in intelligent
		manufacturing, additive manufacturing, and related manufacturing
		technologies?
6:15PM - 7:30PM		Cocktail Reception

Day 2 – Friday, December 20, 2019

Time	Event Room	Program
8:15AM – 9:00AM		REGISTRATION & NETWORKING
9:00AM – 9:05AM		Welcome Statement – Leadership – Co-Hosting Organizations (EAS, EEA, CEEPA) EEA/CEEPA Leadership
	MAIN HALL	Session Chair: Ato Demirew Getachew
9:05AM – 10:45AM	Plenary Session Day 2	Plenary Talk – Her Excellency W/o Dagmawit Moges (MoT) Plenary Talk – Dr. Eyob Tekalign (PM Office)
		Keynote Speaker – Dr. Yayehyirad Kitaw – Health Care (ET) Keynote Speaker – Professor Teshome Abebe – Workforce (USA) Speaker – Engineer Mekuria Tafesse – Water Policy (ET) Speaker – Dr. Ayele Gelan – Economic Policy (KISR, Kuwait)
10:45AM - 11:15AM		Coffee Break
Cross-Cutt	ing Parallel Ses	sions C – Theme on Interdisciplinary Approach
11:15AM – 12:15PM	HALL A Cross-Cutting Theme I	Parallel Session IC Session Chair: Ato Deres Tesfaye; BRP Scribe: TBD Keynote Speaker – Professor Brhane Gebre Kidan (ET) Speaker 8A – Dr. Endashaw Bekele – Genetics+ Food Security (ET) Speaker 9A – Dr. Kassahun Admassu (AAiT, ET) Speaker 10A – Ato Aseged Mammo (ET) Speaker 11A – Ato Tamrat Seyoum (CA, USA)
12:15PM – 1:00PM	(Infrastructure for 200 million people. Nexus of Water, Food, Health, Energy)	 Panel Discussion Moderator: Professor Shifferaw Taye Panel Members: Speakers + 2 Panelists What sort of "out-of-the-box" infrastructural progresses are needed to drive food production capabilities consistent with population growth? What sort of technological progress in the horizon are specifically relevant to the two classes of food producers in the country, (a) smallholder farms and (b) large mechanized farms? How do we increase the efficiency of water usage, both for the growing of food and its subsequent processing? What is the prospect of mechanization, automation and robotics in food security? How do we balance that with need for safeguarding jobs?
11:15AM – 12:15PM	HALL B Cross-Cutting Theme II Technology as	Parallel Session IIC Session Chair: Professor Hundessa Demsash; BRP Scribe: TBD: Keynote Speaker – Dr. Tessema Guebre (NSF, US) Speaker 8B – Ato Mekonnen Kassa (Microsoft, US) Speaker 9B – Ato Bernard Laurendeau (ET) Speaker 10B – Dr. Mesfin Belachew (ET) Speaker 11B – Ato Kommy W/Mariam (IBM, South Africa)
12:15PM – 1:00PM	Cross-Cutting Growth Driver [FinTech, AgriTech, HealthTech]	 Panel Discussion Moderator: TBD Panel Members: Speakers + Dr. Fisseha Mekuria and Ato Yilkal Abate 1. What product lines (machine components, medical devices, automotive parts, agricultural machinery components, etc.) could offer compelling competitive edge for Ethiopia? 2. How do we integrate advanced manufacturing clusters with the current industry parks model? 3. What are the prospects for "green manufacturing" in Ethiopia? 4. How do we encourage the expansion of the so-called "gig economy" in advanced manufacturing?

		Parallel Session IIIC
	HALL C	Session Chair: Professor Lemma WoldeSenbet; BRP Scribe:
11:15AM – 12:15PM	Cross-Cutting	Keynote Speaker – Professor Mitku Haile (ET)
	Theme III	Speaker 8C – Professor Ghebrebrhan Ogubazghi (Asmara, ER)
		Speaker 9C – Prof. Alemayehu Teferra (ET)
	Globally	Speaker 10C – Professor Zewede Asfaw (AAU, ET)
12:15PM – 1:00PM	Competitive	
	Workforce	Speaker 11C – Professor Yemane Berhane (ET)
	Development	Panel Discussion Moderator: Ms. Mahder Tadesse
	(Eth. Scientific &	Panel Members: Speakers + Dr. Abebe Kebede, ESAN Person
	`	Topic: World-class training of Ethiopian undergraduate and graduate
	Academy	students for global competitiveness
	Network)	, , , , , , , , , , , , , , , , , , ,
	HALL D	Parallel Session IIID
	Cross-Cutting	Session Chair: BRP Scribe: TBD
11:15AM – 12:15PM	Theme IV	Keynote Speaker Professor Sisay Asefa (E Michigan)
11:10/101 12:101 101		Speaker 8D – Prof. Berhanu Mengistu (ODU, USA)
	(Opportunities	
	& Threats in	Speaker 9D – Dr. Seifu Bekele (Australia)
	Bridging	Speaker 10D – Ato Yilma Mengistu (ET)
	Ethiopia Today	Speaker 11D – Architect Birke Yami (ET)
		Panel Discussion Moderator: TBD
12:15PM – 1:00PM	& Ethiopia	Panel Members: Speakers
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1:00PM - 2:00PM		LUNCH
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	Plenary 56	ssion – Towards Sustainability
		Joint Session
		Session Chair: Professor Debrework Zewdie; BRP Scribe:
2:00PM – 3:15PM	MAIN HALL	Keynote Speaker - Poet LS or Ms. MM (Novelist) (To be
2.001 W 3.101 W	Joint Session	Confirmed)
	Julii Sessiuli	,
		Keynote Speaker – Professor Shifferaw Taye
	Doy 2	Keynote Speaker – Dr. Tewabech Bishaw (ET)
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4:00PM	4:15PM Coffee Break & Posters Session				
Plenary Session – Grand Challenge Initiative Sustainability					
4:15PM – 4:25PM		Invited Guest – National Academy of Engineering & Ethiopian Academy of Science			
4:25PM – 5:25PM	MAIN HALL	Session Chair: Professor Meskerem Tadesse			
		Ideas & Visions - Blue Ribbon Panel Summary by Scribes Planning II nd ETHIOPIA 2050 Conference – 2022			
5:25PM – 5:40PM		Closing Remarks			
6:00PM - 7:30PM	Cocktail Reception				