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BUILDING PRODUCTION SYSTEMS

ITU FACULTY OF ARCHITECTURE

DEPARTMENT OF ARCHITECTURE

* **COURSE MATERIALS**
* [Photos (Conventional Systems)](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-CONVANTIONAL.ZIP) [ZIP]
* Photos (Traditional System) [ZIP]
* Photos (Rationalized Systems)
* Tunnel Formwork (Illustration-[01](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-TK-MESACARTOON1.ZIP), [02](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-TK-MESACARTOON2.ZIP), [Mesa](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-TK-MESA.ZIP)) [ZIP]
* [Climbing and Sliding Formwork](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-KYRTRM.ZIP) [ZIP]
* Adjustable Formworks ([Peri](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-ADJ-PERI.ZIP), Paschal-[01](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-ADJ-PASCHAL-01.ZIP)-[02](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-ADJ-PASCHAL-02.ZIP)-[03](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-ADJ-PASCHAL-03.ZIP), [Mesa](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-TK-MESA.ZIP)) [ZIP]
* [Filigran Systems](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-FILIGRAN.ZIP) [ZIP]
* Miscellaneous ([Eska](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-ESKA.ZIP)) [ZIP]
* Photos (Prefabricated systems) [ZIP]
* [Skeleton Systems](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-SKELETON.ZIP) [ZIP]
* Pannel Systems ([Lohja](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-PAN-LOHJA.ZIP), [Mesa](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-PAN-MESA.ZIP), [Gok](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-PAN-GOK.ZIP), [Misc](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-PAN-MISC.ZIP)) [ZIP]
* [Cell Systems](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-CELL.ZIP) [ZIP]
* [Photos (Construction Equipments)](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5CCRS-BPS-PH-EQUIPMENTS.ZIP) [ZIP]
* Video Links

Equipment

* [Heavy Equipment operator](http://www.youtube.com/watch?v=rYms1YF7WeM)
* [Crane fail compilation](http://www.youtube.com/watch?v=cz22Wty5Rks)
* [Wire bending machine](http://www.youtube.com/watch?v=HCF2tQhceTM)
* [Wire bending machine](http://www.youtube.com/watch?v=bVhd3LUyPdc)
* [Rebar cutting and bending](file:///C%3A%5CUsers%5CAlaattin%20Kano%C4%9Flu%5CDesktop%5C%C2%A7%09http%3A%5Cwww.youtube.com%5Cwatch%3Fv%3DOgdx8Z9EwQ8)
* [Rebar typing](http://www.youtube.com/watch?v=s0Dh40YsSHs&list=TLXYISqbuypZ8)
* [Rebar bending station](http://www.youtube.com/watch?v=iUpbMAFuXFk&list=TLXYISqbuypZ8)
* [How to join steel rebar](http://www.youtube.com/watch?v=hIuBpuN4KZ0&list=TLXYISqbuypZ8)
* [Rebar bender](http://www.youtube.com/watch?v=fnoRWx_CwWY)
* [Portable rebar bender](http://www.youtube.com/watch?v=oT6wuQq6HbY)
* [Tube and pipe bender](http://www.youtube.com/watch?v=KiHSTFKHRjg)
* [Extreme machines](http://www.youtube.com/watch?v=qW5__Iu1iM4)
* [Tower crane assembly demo](https://www.youtube.com/watch?v=RB91Sm-kGJ8)
* [A must see video](https://www.youtube.com/watch?v=Taj2t35R9ds)
* [Hydraulic](http://www.youtube.com/watch?v=5SFs4O64RlE)
* [All construction tools](http://www.youtube.com/watch?v=bk_3rADcsiY)
* [Built it bigger\_azerbaijan](http://www.youtube.com/watch?v=ym97JjtIYTM)
* [Tower crane mounting](https://www.youtube.com/watch?v=jO8oNAi57dQ)

Formwork

* <http://www.youtube.com/watch?v=S3Kf9e6JgF4>
* <http://www.youtube.com/watch?v=xIPpBvYSx8Q>
* <http://www.youtube.com/watch?v=G31uj5c7C3A>
* <http://www.youtube.com/watch?v=0aeUSZ_wKsM>
* <http://www.youtube.com/watch?v=2S-qULFGoDQ>
* <http://www.youtube.com/watch?v=CiyETE6d2-U>
* <http://www.youtube.com/watch?v=j-mhyj93cpQ>
* <http://www.youtube.com/watch?v=ywGLyvxdoQI>
* <http://www.youtube.com/watch?v=tJ4X18Rd4dc>
* <http://www.youtube.com/watch?v=D8MMTrXsWB0>
* <http://www.youtube.com/watch?v=mA6FP7FuVlY>
* <http://www.youtube.com/watch?v=v8A1XFAzMwo>
* <http://www.youtube.com/watch?v=dDjFTnGKXgU>
* <http://www.youtube.com/watch?v=vcsjtxGeaMI>
* <http://www.youtube.com/watch?v=WI_iTppT8GM>
* <http://www.youtube.com/watch?v=Yqu21vPBylY>
* <http://www.youtube.com/watch?v=lFHCJ0G7Wwo>
* <http://www.youtube.com/watch?v=_f7U17ECFwE>
* <http://www.youtube.com/watch?v=_8I_XFkPT8Y>
* <http://www.youtube.com/watch?v=uFOCDBcH604>
* <http://www.youtube.com/watch?v=z4DU5G7waLY>
* <http://www.youtube.com/watch?v=9WvMp-ZsL5Q>
* <http://www.youtube.com/watch?v=-C0X9Kb-bw8>

General

* <http://www.youtube.com/watch?v=S3Kf9e6JgF4>
* <http://www.youtube.com/watch?v=xIPpBvYSx8Q>
* <http://www.youtube.com/watch?v=G31uj5c7C3A>
* <http://www.youtube.com/watch?v=0aeUSZ_wKsM>
* <http://www.youtube.com/watch?v=2S-qULFGoDQ>
* <http://www.youtube.com/watch?v=CiyETE6d2-U>
* <http://www.youtube.com/watch?v=j-mhyj93cpQ>
* <http://www.youtube.com/watch?v=ywGLyvxdoQI>
* <http://www.youtube.com/watch?v=tJ4X18Rd4dc>
* <http://www.youtube.com/watch?v=D8MMTrXsWB0>
* <http://www.youtube.com/watch?v=mA6FP7FuVlY>
* <http://www.youtube.com/watch?v=v8A1XFAzMwo>
* <http://www.youtube.com/watch?v=dDjFTnGKXgU>
* <http://www.youtube.com/watch?v=vcsjtxGeaMI>
* <http://www.youtube.com/watch?v=WI_iTppT8GM>
* <http://www.youtube.com/watch?v=Yqu21vPBylY>
* <http://www.youtube.com/watch?v=lFHCJ0G7Wwo>
* <http://www.youtube.com/watch?v=_f7U17ECFwE>
* <http://www.youtube.com/watch?v=_8I_XFkPT8Y>
* <http://www.youtube.com/watch?v=uFOCDBcH604>
* <http://www.youtube.com/watch?v=z4DU5G7waLY>
* <http://www.youtube.com/watch?v=9WvMp-ZsL5Q>
* <http://www.youtube.com/watch?v=-C0X9Kb-bw8>

Pre/Post Tensioning

* <http://www.youtube.com/watch?v=WKGPLbJheeA>
* <http://www.youtube.com/watch?v=0z6gjjrSn0M>
* <http://www.youtube.com/watch?v=rNJGaiGYzAc>
* <http://www.youtube.com/watch?v=k9Osma7ufhc&feature=endscreen>
* <http://www.youtube.com/watch?v=SEsGZ8u3LH8>

Speed

* <http://webtv.hurriyet.com.tr/2/26716/19639296/1/cinliler-sonunda-bunu-da-yapti.aspx>
* <http://www.youtube.com/watch?v=vc4_5M1rhFg>
* <http://www.youtube.com/watch?v=C3iI6S7TuCA>
* <http://www.youtube.com/watch?v=QeKS8cs2i6c>
* <http://www.youtube.com/watch?v=rwvmru5JmXk>
* <http://www.youtube.com/watch?v=PNv13fY_3jY>
* <http://www.youtube.com/watch?v=QhMAbqyZ8rw>
* <http://www.youtube.com/watch?v=pgmkQEEgJPE>

Funny

* <http://www.youtube.com/watch?v=zxtI1_acHQ0>
* <http://www.youtube.com/watch?v=pJZa_ga3Zc4>
* <http://www.youtube.com/watch?v=Pw_bL5ucmBI>

Demolition

* <http://www.youtube.com/watch?v=egmFkcW-AoU>
* <http://www.youtube.com/watch?v=RLFAJQ7SLew>

Bridge

* <http://www.youtube.com/watch?v=blOhcJcA87k>
* <http://www.youtube.com/watch?v=fu4_gY5TFOY>
* <http://www.youtube.com/watch?v=6zKLL8UlTK8>
* <http://www.youtube.com/watch?v=agPC4IpoHNI>
* <http://www.youtube.com/watch?v=vrTHnegl4Es&feature=endscreen>

Railway Tunnel

* <http://www.youtube.com/watch?v=z38JIqGDZVU>
* <http://www.youtube.com/watch?v=AOo9Tg7697M>

Safety

* <http://www.youtube.com/watch?v=UE7R9AF0Wpw>
* <http://fotogaleri.hurriyet.com.tr/galeridetay/97798/2/36/kad-nlar-neden-erkeklerden-daha-uzun-ya-ar>

Inflating Systems

* <http://www.youtube.com/watch?v=QtJki5fdp-8>
* <http://www.youtube.com/watch?v=hvLrdkTu6TY>
* <http://www.youtube.com/watch?v=8Xb9PFF4MSc>
* <http://www.youtube.com/watch?v=ZhJPTDL_rnc>
* <http://www.youtube.com/watch?v=T2NvnhLPBVM>
* <http://www.youtube.com/watch?v=BtUs_DGxQAQ>
* <http://www.youtube.com/watch?v=s75bCKj--Vk>

Drainage

* <http://www.youtube.com/watch?v=9pSGgB4zabo>
* <http://www.youtube.com/watch?v=WieGD8Zvo5A>
* <http://www.youtube.com/watch?v=cuPKb_2KtTw>
* <http://www.youtube.com/watch?v=vCkY6tPWWGE>
* <http://www.youtube.com/watch?v=dDla-8NCJWo>
* <http://www.youtube.com/watch?v=TZ1qwTL1qNI>
* <http://www.youtube.com/watch?v=Zdl5RTxtmDo>

Blocks

* <http://www.youtube.com/watch?v=qAO01YfHADg>
* <http://www.youtube.com/watch?v=3AaEvV221qI>
* <http://www.youtube.com/watch?v=ERO2iy82kEw>
* <http://www.youtube.com/watch?v=HLpcB-9YE1I>
* <http://www.youtube.com/watch?v=LON40kaKFEw>

Traditional

* <http://www.youtube.com/watch?v=ZsRKdZxVRHE>
* <http://www.youtube.com/watch?v=5PcpDWjbbDc>
* <http://www.youtube.com/watch?v=OTiWdnoAir4>
* <http://www.youtube.com/watch?v=4-fQejGZiR4>
* <http://www.youtube.com/watch?v=fqBBffe5vpI>
* <http://www.youtube.com/watch?v=FQvFzdFIp08>
* <http://www.youtube.com/watch?v=9UZXP-Xb6Jw>

Rationalisation

* <http://www.youtube.com/watch?v=lEkPayjFklI>
* <http://www.youtube.com/watch?v=pqtZ7-511Vc>
* <http://www.youtube.com/watch?v=noxj02OjwCM>
* <http://www.youtube.com/watch?v=EGHqVykzzbs>

Cellular

* <http://www.youtube.com/watch?v=tXUd-yUy0S0>
* <http://www.youtube.com/watch?v=p63pojUa8rw>
* <http://www.youtube.com/watch?v=eq9DH2kZFKE>
* <http://www.youtube.com/watch?v=pNnEFvHW3R8>
* <http://www.youtube.com/watch?v=VQ-70PnDKno>
* <http://www.youtube.com/watch?v=4jcq0glsS_Y>

4D Simulation and BIM

* <http://www.youtube.com/watch?v=SqpgFaFnwWk>
* <http://www.youtube.com/watch?v=wGe7haMLxw8>
* <http://www.youtube.com/watch?v=IcKeOOJvsKM>

Roof Waterproofing

* <http://www.youtube.com/watch?v=tyTTuuBqOl0>

Prefabrication

* <http://www.youtube.com/watch?v=2yJnbXudOGA>
* <http://www.youtube.com/watch?v=MqEQEDKkzX4>
* <http://www.youtube.com/watch?v=4drX256QV_Y>
* <http://www.youtube.com/watch?v=QrE6ymkoZPI>
* <http://www.youtube.com/watch?v=jenYP9Acivg>
* <http://www.youtube.com/watch?v=93Zftx0EKuc>
* <http://www.youtube.com/watch?v=E76jxaCddRc>
* <http://www.youtube.com/watch?v=MFAonWqVnZo>
* <http://www.youtube.com/watch?v=h-szfJlANmo&list=PLDE0C56E41E7C3E63>
* <http://www.youtube.com/watch?v=YD4RqHvtPE0>

Conventional

* <http://www.radikal.com.tr/radikalist/mimari_ve_tasarimda_cigir_acan_13_hayvan_turu-1220835?utm_source=hurriyet&utm_campaign=xmlservice&utm_medium=haberdetay>